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May 2, 2012

### **REQUEST FOR PROPOSAL**

#### **PROPOSAL #65124**

Sealed Proposals (**Proposal #65124**) for the **Purchase and Delivery of One (1) Heavy Duty Walk-In Rescue Squad for the Stafford County Fire and Rescue Department** will be accepted until **4:00 P.M., Tuesday, June 5, 2012**, at which time they will be opened in the Purchasing Office, Stafford County Administration Center, 1300 Courthouse Road, Stafford, Virginia.

Please be observant of all Proposal instructions and specifications. Should any questions arise concerning this Proposal, contact the Purchasing Office at (540) 658-8614.

Stafford County reserves the right to accept or reject, in whole or part, any and all Proposals and to waive informalities.

Anita Perrow  
Purchasing Manager



COUNTY OF STAFFORD, VIRGINIA

REQUEST FOR PROPOSAL

PURCHASE AND DELIVERY OF ONE (1) HEAVY DUTY WALK IN RESCUE  
SQUAD FOR THE STAFFORD COUNTY FIRE AND RESCUE DEPARTMENT

RFP NUMBER: **#65124**

RECEIVING DATE: **4:00 P.M., Tuesday, June 5, 2012**

RECEIVING PLACE: Stafford County Purchasing Office  
Stafford County Administration Center  
1300 Courthouse Road  
P.O. Box 339  
Stafford, Virginia 22555-0339

Requests for information regarding technical matters should be directed to:

Assistant Chief Mark L. Doyle  
Stafford County Fire and Rescue Department  
Stafford County Public Safety Center  
1225 Courthouse Road  
P. O. Box 339  
Stafford, VA 22555-0339  
Telephone (540) 658-5363  
E-mail: markdoyle@staffordcountyva.gov

Requests for information regarding contractual matters should be directed to:

Purchasing Manager  
Stafford County Purchasing Office  
Stafford County Administration Center  
1300 Courthouse Road  
P.O. Box 339  
Stafford, VA 22555-0339  
Telephone: (540) 658-8614

## GENERAL INSTRUCTIONS

1. Mail or deliver Proposals to the Stafford County Purchasing Office, Stafford County Administration Center, 1300 Courthouse Road, P.O. Box 339, Stafford, Virginia, 22555-0339.
2. Submit one (1) original, clearly marked, and three (3) copies of the Proposal before the opening time stated in the Request for Proposal.
3. All Proposals shall be signed in ink by authorized principals of the firm and must be received in sealed envelopes with the statement, **"Proposal Enclosed" and the number typed or written in the lower left-hand corner.**
4. Stafford County reserves the right to accept or reject, in whole or part, any and all Proposals and to waive informalities.
5. Proposals will be opened promptly at **4:00 P.M., Tuesday, June 5, 2012, in the Purchasing Office. No late Proposals will be accepted. It is the vendor's responsibility to ensure a timely delivery to the proper receiving location.**
6. The successful Offeror will be notified immediately upon acceptance of their Proposal.
7. Proprietary information will not be disclosed during the selection process.
8. Proposal to be binding for one hundred and twenty (120) days following the Proposal opening date.
9. Exceptions to the specifications or general instructions must be in writing and submitted with the Proposal form.
10. Comments concerning specifications or other provisions of this Contract are welcome and can be received and considered prior to the time set for receipt of Proposals.
11. Each Offeror is required to state in the Proposal, their name and place of residence and the names of all persons interested with him; in case of a corporation, the names of other than the president and secretary need not be given. References shall be furnished to establish the skill and business standing of the Offeror.
12. The Contractor shall maintain insurance to protect the County from claims under the Workers' Compensation Act, and from any other claim for damages for personal injury, including death, and for damage to property which may arise from operation under this Contract, whether such operations by the Contractor, or anyone directly or indirectly employed by either Contractor or Subcontractor, such insurance to conform to the amounts as prescribed by law:

The insurance requirements are as follows:

"The successful Contractor assumes and agrees to hold harmless, indemnify, protect and defend Stafford County against any and all liability for injuries and damages to Contractor himself and to Contractor's employees, agents, Subcontractors and guest, third parties or otherwise, incident to or resulting from any all operations performed by Contractor under the terms of this Contract.

In addition to any other forms of insurance for Bonds required under Contracts and specifications pertaining to this project, Stafford County shall require any Vendor to whom or to which it lets any work contemplated hereunder to carry Public Liability Insurance in accordance with the specifications on the following exhibit and a Certificate of Insurance attesting to these required coverages. If any of the work is sublet, similar insurance shall be obtained by or on behalf of the Subcontractor to cover their operation.

The insurance specified shall be with an insurance company acceptable to the parties hereto and licensed to do business in the State of Virginia. All insurance must be obtained before any work is commenced and kept in effect until its completion."

The successful Proposer shall, during the performance of the Contract and for a minimum of three (3) years following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

General Liability, each occurrence	\$1,000,000
Personal and Advertising Injury	\$1,000,000
General Aggregate	\$2,000,000
Products - Comp/Op Aggregate	\$2,000,000
Automobile Liability - combined single limit	\$1,000,000
Excess Liability - each occurrence	\$25,000,000
Excess Liability - Aggregate	\$25,000,000

Coverage shall be written on a Commercial General Liability form.

Proposal responses must include a current Certificate of Insurance with the minimum coverages listed above. The box in the bottom left corner marked "Certificate Holder" shall be completed by the Underwriter and list the Owner's name and address.

The County, its officers and employees shall be named as an "additional insured" on the Automobile and General Liability policies and it shall be stated on the Insurance Certificate with the provision that this coverage "is primary to all other coverage the County may possess."

13. This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia Section 2.2-4343.1 or against any offeror because of race, religion, sex, national origin, age, disability, or any other basis prohibited under state law relating to discrimination in employment.

14. Hold Harmless Clause

The Contractor shall, during the term of the Contract including any warranty period, indemnify, defend, and hold harmless the County, its' officials, employees, agents, and representatives thereof from all suits, actions, or claims of any kind, including attorney's fees, brought on account of any personal injuries, damages, or violations of rights, sustained by any person or property in consequence of any neglect in safeguarding Contract work or on account of any act or omission by the Contractor or his employees, or from any claims or amounts arising from violation of any law, bylaw, ordinance, regulation or decree. The Contractor agrees that this clause shall include claims involving infringement of patent or copyright.

15. Safety

All Contractors and Subcontractors performing services for the County of Stafford are required and shall comply with all Occupational Safety and Health Administration (OSHA), State and County Safety and Occupational Health Standards and any other applicable rules and regulations. Also, all Contractors and Subcontractors shall be held responsible for the safety of their employees and any unsafe acts or conditions that may cause injury or damage to any persons or property within and around the work site area under this Contract.

16. Notice of Required Disability Legislation Compliance

Stafford County government is required to comply with state and federal disability legislation: The Rehabilitation Act of 1993 Section 504, The Americans with Disabilities Act (ADA) for 1990 Title II and The Virginians with Disabilities Act 1990.

Specifically, Stafford County, may not, through its contractual and/or financial arrangements, directly or indirectly avoid compliance with Title II of the American with Disabilities Act, Public Law 101-336, which prohibits discrimination by public entities of the basis of disability. Subtitle A protects qualified individuals with disability from discrimination on the basis of disability in the services, programs, or activities of all State and local governments. It extends the prohibition of discrimination in federally assisted programs established by the Rehabilitation Act of 1973 Section 504 to all activities of State and Local governments, including those that do not receive Federal financial assistance, and incorporates specific prohibitions of discrimination on the basis of disability in Titles I, III, and V of the Americans with Disabilities Act. The Virginians with Disabilities Act of 1990 follows the Rehabilitation Act of 1973 Section 504.

17. Ethics in Public Contracting

The provisions contained in Sections 2.2-4367 through 2.2-4377 of the Virginia Public Procurement Act as set forth in the 1950 Code of Virginia, as amended, shall be applicable to all Contracts solicited or entered into by this County. A copy of these provisions may be obtained from the Purchasing Office upon request.

The provisions of this article supplement, but do not supersede, other provisions of law including, but not limited to, the Virginia Conflict of Interest Act (§2.1-348 et. seq.), the Virginia Governmental Frauds Act (§18.2-498.1 et. seq.) and Articles 2 and 3 of Chapter 10 of Title 18.2. The provisions apply notwithstanding the fact that the conduct described may not constitute a violation of the Virginia Conflict of Interests Act.

18. Employment Discrimination by Contractors Prohibited

Every Contract of over \$10,000 shall include the following provisions:

During the performance of this Contract, the Contractor agrees as follows:

- a. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age or disability, or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- b. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, shall state that such Contractor is an equal opportunity employer.
- c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient to meet this requirement.

The Contractor will include the provisions of the foregoing paragraphs, a, b, and c in every Subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each Subcontractor or vendor.

19. Drug-free Workplace

Every Contract of over \$10,000 shall include the following provisions:

During the performance of this Contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of

a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every Subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each Subcontractor or vendor.

For the purpose of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific Contract awarded to a Contractor in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale distribution, dispensation, possession, or use of a controlled substance or marijuana during the performance of the Contract.

20. Exemption from Taxes

The County is exempt from State Sales Tax and Federal Excise Tax. Tax Exemption Certificates indicating the County's tax exempt status will be furnished by the County of Stafford on request.

21. Substitutions

NO substitutions, including key personnel, or cancellations permitted after award without written approval by the County Administrator.

22. Assignment of Contract

This Contract may not be assigned in whole or in part without the written consent of the County Administrator.

23. Debarment

By submitting a Proposal, the Offeror is certifying that he is not currently debarred by the County. The County's debarment procedure is in accordance with Section 2.2-4321 of the Code of Virginia.

24. Each Offeror shall certify, upon signing a Proposal, that to the best of his knowledge no Stafford County official or employee having official responsibility for the procurement transaction, or member of his/her immediate family, has received or will receive any financial benefit of more than nominal or minimal value relating to the award of this Contract. If such a benefit has been received or will be received, this fact shall be disclosed with the Proposal or as soon thereafter as it appears that such a benefit will be received. Failure to disclose the information prescribed above may result in suspension or debarment, or rescission of the Contract made, or could affect payment pursuant to the terms of the Contract.

25. Immigration Reform and Control Act of 1986

By accepting a Contract award, Contractor certifies that it does not and will not during the performance of this Contract violate the provisions of the Federal Immigration Reform and Control Act of 1986, which prohibits employment of illegal aliens.

26. Use of Contract by Other Government Entities

- A. Offerors are advised that all resultant Contracts will be extended, **with the authorization of the Offeror**, to Metropolitan Washington Council of Governments jurisdictions and other jurisdictions and Political Subdivisions of the Commonwealth of Virginia to permit their ordering of supplies and/or services at the prices and terms of the resulting Contract. If any other jurisdiction decides to use the final Contract, the Contractor must deal directly with that jurisdiction of political subdivision concerning the placement or orders, issuance of the Purchase Order, contractual disputes, invoicing and payment. Stafford County acts only as the “Contracting Agent” for these jurisdictions and political subdivisions. Failure to extend a Contract to any jurisdiction will have no effect on consideration of your Proposal.
- B. It is the responsibility of the awarded Vendor to notify the jurisdictions and political subdivision of the availability of the Contract.
- C. Other public bodies desiring to use this Contract must make their own legal determination as to whether the use of this Contract is consistent with their laws, regulations, and other policies.
- D. Stafford County shall not be held liable for any costs or damage incurred by another public body as a result of any award extended to that public body by the Contractor.
- E. Each public body has the option of executing a separate Contract with the Contractor(s). Public bodies may add terms and conditions required by statute, ordinances, and regulations, to the extent that they do not conflict with the Contract’s terms and conditions of a public body are unacceptable to the Contractor, the Contractor may withdraw its extension of the award to that public body.

27. Proof of Authority to Transact Business in Virginia

A Bidder or Offeror organized or authorized to transact business in the Commonwealth pursuant to Title 13.1 or Title 50 of the Code of Virginia shall include in its Bid or Proposal the identification number issued to it by the State Corporation Commission. Any Bidder or Offeror that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law shall include in its Bid or Proposal a statement describing why the Bidder or Offeror is not required to be so authorized. Any Bidder or



Offeror described herein that fails to provide the required information shall not receive an award unless a waiver of this requirement and the administrative policies and procedures established to implement this section is granted by the County Administrator ([https://cisiweb.scc.virginia.gov/z\\_container.aspx](https://cisiweb.scc.virginia.gov/z_container.aspx)).

28. W-9 Form

Each Bidder or Offer will submit a completed W-9 form with their Bid. In the event of a Contract award, this information is required in order to issue Purchase Orders and payments to your firm. A copy of this form can be downloaded from <http://www.irs.gov/pub/irs-pdf/fw9.pdf>.

## PART 1 - INSTRUCTIONS FOR SUBMITTING PROPOSALS

### 1. Preparation and Submittal of Proposals

- a. All Proposals shall be signed in ink by authorized personnel of the firm.
- b. All attachments to the Proposals requiring execution by the firm are to be returned with the Proposals.

### 2. Withdrawal of Proposals

- a. The Offeror may withdraw his Proposal from consideration if the service proposed was substantially different than the other Proposals due solely to a mistake therein, provided the Proposal was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgmental mistake, and was actually due to an unintentional arithmetic error, or an unintentional omission of a quantity of work, labor, or materials made directly in the compilation of the proposal, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents, and materials used in the preparation of the Proposal sought to be withdrawn.
- b. The following is the procedure for Withdrawal of Proposal:
  - (1) The Offeror must give notice in writing of his claim of the right to withdraw his Proposal within two (2) business days after the conclusion of the Proposal opening procedure.
  - (2) No Proposal may be withdrawn under this section when the result would be the awarding of the Contract on another Proposal of the same Offeror.
  - (3) No Offeror who is permitted to withdraw a Proposal shall for compensation, supply any material or labor to or perform any Subcontract or other work agreement for the person or firm to whom the Contract is awarded or otherwise benefit, directly or indirectly, from the performance of the project for which the withdrawn proposal was submitted, without the approval of the Director of Finance. The person or firm to whom the Contract was awarded and the withdrawing Offeror are jointly liable to Stafford County in an amount equal to any compensation paid to, or for the benefit of, the withdrawing Offeror without such approval.

### 3. Miscellaneous Requirements

- a. The County will not be responsible for any expenses incurred by a firm in preparing and submitting a Proposal. All Proposals shall provide a straightforward concise delineation of capabilities to satisfy the requirements of this request. Emphasis should be on completeness and clarity of content.

- b. Vendors who submit a Proposal in response to this RFP may be required to make an oral presentation of their Proposal. A designee of the Stafford County Department of Fire and Rescue will schedule the time and location for this presentation.
- c. The contents of the Proposal submitted by the successful Offeror and this RFP will become a part of any Contract awarded as a result of these specifications. The successful Offeror will be expected to sign a Contract with the County. Additional terms and provisions will be included in the Contract.
- d. The County reserves the right to reject any and all Proposals received by reason of this request, or to negotiate separately in any manner necessary to serve the best interests of the County. A Firm who's Proposal is not accepted will be notified in writing.
- e. The Contractor is prohibited from assigning, transferring, conveying, subletting, or otherwise disposing of this agreement or its rights, title or interest therein or its power to execute such agreement to any other person, company, or corporation without the previous consent and approval in writing by the County.

4. Form of Proposals

Interested firms are cautioned to provide in their Proposal as much detail as possible pertaining to their firm's capabilities, experience and approach to the tasks outlined in this Proposal.

5. Clarification of Proposals

Stafford County reserves the right to contact vendors individually for the purpose of clarifying Proposals.

6. Vendor Incurred Costs

Stafford County is not liable for any cost incurred by vendors prior to issuance of an Agreement, Contract, or Purchase Order.

7. Right to Cancellation

Award to the selected vendor will be made under a Contract arrangement cancelable after the first year or at the end of a fiscal year in the event that continuing funds are not appropriated.

8. Vendor Declaration

The Vendor must state that its Proposal was made without connection with any other person, company or parties making a similar Proposal and that it is in all respects fair and in good faith without collusion or fraud.

9. Terminology

Terminology used in this request for Proposal might imply or denote a particular Vendor. The terminology used and the organization of the RFP is not intended to be restrictive in any way. Appropriate interpretation of the intent of the RFP should be made by the Vendor in these situations.

10. Licensing Agreement

Any licensing agreement required by the Vendor must be fully described.

11. Proposal Property of County

All Proposals submitted in response to this RFP become the property of the County. Supporting technical manuals will be returned at the request of the Vendor.

12. Confidentiality

All Proposals will be available for inspection by interested parties following the final selection date. If a Vendor wishes that any parts of his Proposal to remain confidential, he should state so clearly.

13. Addenda

Any Addenda to these documents shall be issued in writing; no oral statement, explanations or commitments by whomsoever shall be of any effect unless incorporated in the Addenda.

14. Evaluation of Proposals: Selection Factors:

The General Instructions and Contract Terms set forth certain criteria which will be used in the selection of the successful firm. An Evaluation Committee will screen each Proposal and selection will be made on the basis of the criteria listed below. The firms submitting Proposals shall include Proposal statements on the following:

- A. Delivery time of vehicle.
- B. Meeting or exceeding the equipment and accessories on the vehicle.
- C. Any and all warranties available to the County.
- D. Cost.
- E. References (i.e., satisfaction of former clients) along with names and addresses of at least three (3) parties from whom purchased equipment.

15. Contracting

Upon award of the Contract, the RFP and the successful Offeror's Proposal will become part of the Contract. The County intends to enter into a Contract which best serves the interests of the County and will require the Vendor to enter into the County's "STANDARD CONTRACT FOR SUPPLIES".

## PART 2 - SPECIAL CONTRACT TERMS AND CONDITIONS

1. The extent and character of the work to be accomplished by the firm shall be subject to the general control and approval of the County Administrator or his authorized representative. The firm shall not comply with requests and/or orders issued by other than the Administrator's representatives acting within their authority for the County.

2. Subcontractors

The firm shall identify all proposed Subcontractors who will be furnishing services under the terms of his Proposal. Subcontractors shall conform, in all respects, to the applicable provisions specified for the prime Contractor and shall further be subject to approval by the County.

3. Termination

Subject to the provisions below, the Contract may be terminated by either party upon thirty (30) days advance written notice to the other party; but if any work or service hereunder is in progress, but not completed as of the date of termination, then this Contract may be extended upon written approval by the County until said work or services are completed and accepted.

A. Termination for Convenience

In the event that this Contract is terminated or canceled upon request and for convenience of the County without the required thirty (30) days advance written notice, then the County shall negotiate reasonable termination costs, if applicable.

B. Termination for Cause

Termination by the County for cause, default, or negligence on the part of the Contractor shall be excluded from the foregoing provision; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived in the event of Termination for Cause.

4. User List

Vendors are required to furnish the issuing office with a list of all locations in local governments in Virginia and nearby states that are using the same service and the name, address and telephone number of a contact person.

5. Exceptions

Any and all exceptions to the specification included in this RFP must be fully detailed and explained on a separate schedule outlined "Exceptions to RFP". Should the Vendor not indicate and explain all exceptions, his Proposal may be rejected.

6. Proposal Selection

A Contract will be awarded by Stafford County to the Vendor whose Proposal conforms to this Request and is most advantageous to Stafford County, price and other factors considered.

**PURCHASE AND DELIVERY OF ONE (1) HEAVY DUTY WALK-IN RESCUE SQUAD  
FOR THE STAFFORD COUNTY FIRE AND RESCUE DEPARTMENT**

**PROPOSAL #65124**

**SPECIFICATIONS**

**I. SCOPE**

The intent of this Solicitation is for one (1) new turnkey heavy duty walk-in rescue squad and any associated equipment for the Stafford County Fire and Rescue Department. The unit offered must have never been titled and meet all current Virginia emission standards and NFPA 1901-2009 Standards. The truck shall be equipped with the manufacturer's equipment and accessories which are included as standard in the advertised and published literature for the unit. No equipment or accessories shall be removed or omitted for the reason that is not specified in the Proposal.

Delivery date shall be during the second quarter of 2013. If this time frame cannot be met, state the earliest time \_\_\_\_\_. **This will be a factor in the evaluation process.**

Contractor shall furnish satisfactory evidence that he has the ability to construct the apparatus specified, and shall state in the Proposal the location of the factory where the apparatus is to be built, and also where future service work will be performed.

**II. RELIABILITY OF CONTRACTOR**

All Offerors shall provide with their Proposal five (5) cities where similar apparatus have been furnished. Offerors shall provide the name and telephone number of a contact person for each City listed.

Each Proposal shall be signed by an authorized representative of the manufacturing company.

The Manufacturer must meet the following conditions in order for the Proposal to be Considered:

This Proposal is seeking the model of equipment, which meets the requirements of the Specifications without material changes or modifications.

It has in operation, service facilities which have a repair parts inventory and trained factory service personnel for making complete repairs and overhaul of its make of equipment within the Baltimore-Washington Metropolitan area.



### Non-Collusive Bidding Certification

By submission of this Proposal, each Offeror and each person signing on behalf of any Contractor certifies, under penalty of perjury, that to the best of their knowledge and belief.

The prices in this Proposal have been derived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, with any other Offeror or with any competitor.

Unless otherwise required by law, the prices that have been quoted in this Proposal have not been knowingly disclosed by the Offeror and will not knowingly be disclosed by the Offeror prior to opening, directly or indirectly, to any other Offeror or to any competitor.

No attempt has been made by the Offeror to include any other person, partnership or corporation to submit or not to submit a Proposal for the purpose of restricting competition.

### **III. CONTRACT AWARD**

Contract will be awarded to the most "responsive and responsive Offeror", provided the Proposal is in the best interest of the Owner.

When analyzing the Proposals, and in recommending a successful Offeror, superior design, workmanship, materials, operating costs, location of factory, past experience, length of incorporation and compliance to specifications will be taken into consideration.

The Owner reserves the right to reject any or all Proposals deemed to be unresponsive. The County of Stafford reserves the right to waive any informalities. The Owner reserves the right, before awarding the Contract, to require an Offeror to submit evidence of his qualifications as may be deemed necessary. Documentation which may be required is financial soundness, technical competency, and other pertinent qualifications of an Offeror, including past performance (experience) with the Owner.

The Contract shall be between the Owner and an authorized Virginia Department of Motor Vehicles (DMV) licensed dealer. Offeror shall provide a copy of DMV license with submission of Proposal. Offerors shall provide their Virginia DMV license number on the envelope of the Proposal submission.

Any Bonds or Sureties (Bid, Performance, or other) required by the Purchasing Organization will be as specified below or as requested in the advertised "Proposal Notice".

Owner reserves the right to waive any informality in the Proposals received once such waiver is in the best interest of the purchaser and, also, to accept any item in the Proposal found to be of superior quality or otherwise preferred by the Owner.

An Evaluation Committee from the Stafford County Fire and Rescue Department will evaluate the responses by the following criteria:

- |   |     |
|---|-----|
| 1. Delivery response time of the squad      | 20% |
| 2. Vendor meeting the criteria of the squad | 20% |
| 3. Warranty                                 | 20% |
| 4. Cost                                     | 20% |
| 5. References                               | 20% |

#### **IV. ACCEPTANCE TESTS AND REQUIREMENTS**

Acceptance tests on behalf of the Owner shall be prescribed and conducted prior to delivery or within ten (10) days after delivery, by the manufacturer's representative in the presence of such person or persons as the purchaser may designate in the requirements for delivery.

The apparatus, loaded with a full complement of hose and men, a full water tank, and equipment as specified in "Carrying Capacity" on this page, shall meet the tests on paved roads, dry and in good condition. Tests shall be on the basis of two (2) runs, in opposite directions over the same route, the engine not operating in excess of the manufacturer's maximum rpm.

From a standing start, through the gears, the vehicle shall attain a true speed of thirty-five (35) mph within twenty-five (25) seconds. From a steady speed of fifteen (15) mph the vehicle shall accelerate to a true speed of thirty-five (35) mph within thirty (30) seconds.

#### **V. NOTE**

Responsibility for the apparatus and all equipment shall remain with the Contractor until the apparatus and equipment is delivered and **accepted** by the Owner.

#### **VI. FAILURE TO MEET TESTS**

In the event the apparatus fails to meet the test requirements on first trial, a second trial may be made at the option of the Contractor within thirty (30) days of the date of the first trial. Such trials shall be final and conclusive and failure to comply with these requirements shall be cause for rejection. Failure to make such changes as the Chief of the Fire Department and/or the purchaser may consider necessary to conform to any clause of the specifications within thirty (30) days after notice is given to the Contractor to make such changes shall also be cause for rejection of the apparatus.

#### **VII. TECHNICAL INFORMATION**

The Offeror will furnish free of charge, upon request, technical information, graphs, charts, photographs, engineering diagrams, steering geometry, drive train certifications, instruction

guides, or other documentation as requested to show that the equipment offered fully complies with these specifications.

## **VIII. MATERIAL AND WORKMANSHIP**

All equipment furnished will be guaranteed to be new and of current manufacture, to meet all requirements of these specifications, and to be in intended use condition at time of delivery.

All workmanship will be of high quality and accomplished in a professional manner so as to insure a functional apparatus with a pleasing, aesthetic appearance.

## **IX. BOND REQUIREMENTS**

A Bid Bond will be submitted with the Proposal. The Bond will be for an amount equal to five percent (5%) of the proposed price. Failure to provide an acceptable, valid Bid Bond with the Proposal will result in the immediate rejection of the Proposal.

A Performance Bond will be supplied by the successful Offeror/manufacture upon acceptance of the signed sales Contract for the apparatus. The Performance Bond will be for an amount equal to the full Contract price (i.e. 100% Bond).

All Bonds must be provided by the apparatus manufacturer; bonds provided by a sales representative, dealer, distributor, or agent of the apparatus manufacturer will not be acceptable.

With respect to the qualifications of proposed Bonds or Sureties, the Offeror's bonding company must meet the following requirements:

An acceptable surety as outlined by the Department of Treasury on their most recent federal register at a limit of at least \$10,000,000.

A A.M. Best rating of "A" or better with a financial rating of at least "VIII".

Licensed as a surety in the state where the sale is to be made.

## **X. PRICING**

1. Price shall be net and shall include delivery of new vehicle and equipment to the point of delivery as indicated in the Proposal.
2. Provide a separate line item for each alternate, as described in the body of this document.
3. Provide a separate line item for the cost of travel expenses for the following customer inspections/meetings at the manufacturing facility.

- a. Pre-construction Engineering meeting for up to five (5) Committee personnel
- b. Mid-build pre-paint inspection for up to five (5) Committee personnel
- c. Final inspection for five up to (5) Committee personnel

## **XI. INFORMATION TO BE FURNISHED WITH PROPOSAL**

- 1. Offeror must submit with their own detailed specifications, circulars, and all necessary data on equipment they propose to furnish.
- 2. If the equipment offered differs from the provisions contained in this specification, such difference must be explained in detail, and the Proposal will receive careful consideration if such deviations do not depart from the intent of this specification and are in the best interests of the Owner.

## **XII. GUARANTEES**

- 1. The Offeror guarantees that the equipment offered is new equipment, latest model of regular stock product, with parts regularly used for the type of equipment offered; also that no attachment of part has been substituted or applied contrary to Manufacturer's recommendations and standard practice.
- 2. Delivered unit must be guaranteed against faulty material and workmanship for a period of at least one (1) year from date of acceptance of apparatus and, if during this period such faults develop, the Manufacturer agrees to replace the unit or the part affected without cost to the Owner.
- 3. The Offeror shall be the sole responsible party for the vehicle once delivered and shall assume the full warranty responsibility as well.
- 4. The guarantee shall not cover breakage or damage caused by neglect, misuse or damage caused by actual fire service, collisions or carelessness on the part of others once the apparatus has been accepted and placed in service.
- 5. Contractor shall guarantee that the fire apparatus and all systems of that apparatus shall be thoroughly operated and tested prior to delivery.
- 6. Additional warranties shall be provided as noted within these specifications.

## **XIII. REGULATIONS**

- 1. The apparatus and equipment shall comply with the current rules and regulations of the Traffic and Motor Vehicle Laws of the State of Virginia and the Federal Governments (D.O.T. & F.M.V.S.S.) and of the National Fire Protection Association.

2. The proposed unit cost must be prepared in accordance with the Manufacturer's printed, most current standard specification sheets with the available options listed. In addition to meeting these detailed specifications, any deviations to major assemblies or accessories shall be submitted to the Owner for approval.
3. Whether specifically mentioned herein or not, all parts necessary to provide complete and efficient fire apparatus shall be furnished.
4. Parts shall conform to the best current engineering practices of the industry relative to design, structure, quality of material, and workmanship.

#### **XIV. COMPLIANCE WITH THE REQUIREMENT OF THE LAW**

The Proposal shall contain such statements, resolutions, affidavits, certifications, and other assurances as are or may be required under the laws of the State of Virginia.

#### **XV. REQUIREMENTS OF THE PROPOSAL**

1. The Vendor is required to provide an advance Performance Bond from an independent bank, insurance company or bonding agency. The amount of the bond shall be for an amount equal to the full Contract price (i.e., one hundred percent (100%) Bond).
2. The vehicle purchase Contract must include a performance clause that stipulates a certain date when the vehicle will be delivered by the Offeror. The delivery date shall be two hundred and seventy (270) days from date of Purchase Order.
3. Each Proposal must be accompanied by detailed Manufacturer's specifications in compliance with the Owner's specifications.
4. The successful Offeror, before fabricating is to commence, must submit detailed and approved manufacturing drawings of the apparatus, with the appropriate designation of all component parts and equipment described and shown on the drawings. Drawings shall be provided on minimum twenty two inch by thirty four inch (22"X 34") sheets. Additionally, electronic copies of the drawings shall be provided in .pdf format.
5. The Proposal, once submitted, may not be withdrawn until after a period of one hundred twenty (120) days have expired from the date of the Proposal opening.
6. Withdrawal of any Proposal prior to the one hundred twenty (120) day period after Proposal opening shall result in the surrender of the Bid Bond of the withdrawing Manufacturer to the Owner.
7. When in these specifications a particular brand, make of material, device or equipment is shown or specified, such brand, make of material, device or equipment, which in the

opinion of the Owner is the recognized equal of that proposed, considering quality, workmanship, and economy of operation, and is suitable for the purpose intended, will be acceptable. However, the exception must be well defined and specifically approved by the Owner.

8. The apparatus shall be of latest type, symmetrically proportioned and constructed with due consideration of the load and stress to be sustained.
9. All parts not specifically mentioned herein, but which are necessary in order to furnish a complete fire apparatus, shall conform to the best practices known to current fire apparatus design and construction.

## **XVI. EXCEPTIONS, VARIATIONS, AND CLARIFICATIONS**

1. These specifications are based upon design and performance criteria, which have been developed by the committee as a result of extensive research and careful analysis of the data.
2. Subsequently, these specifications reflect the only type of fire apparatus that is acceptable at this time.
3. Major exceptions to specifications will not be accepted.
4. Certain exceptions may be accepted if they are minor and equal or superior to that which is specified.
5. All Offerors shall mark, with an “X” in ink, each paragraph/item on the left hand edge of the paper, indicating non-compliance or exception to the specification.
6. All explanation(s) for an exception or clarification to these specifications shall be noted on an individual sheet of paper entitled “Exceptions”. It shall be located at the end of these specifications referencing the section and item number/letter and the alternatives for exception offered.
7. All explanations, justifications for exceptions and alternatives shall be listed numerically in the same order as in this specification package
8. Any exception shall be clearly defined with details as to the proposed alternative, referencing manufacturer, and model where appropriate.
9. Each exception will be considered by their degree of impact and total effect on their Proposal.
10. Offerors taking total exception to the Proposal specifications shall not be considered by the Owner.

11. The Owner shall determine which exceptions are acceptable and this determination shall be final.
12. The Owner assumes that silence to exception or no mark next to an item(s) indicates that the item will comply with specifications as determined by the Owner, regardless of cost to the Offeror.
13. All items will be given a general inspection for material, workmanship, and compliance with specifications prior to acceptance. Should the item not comply, and an exception not been taken, the Offeror shall be held responsible to fulfill that specification.
14. Should the item not comply, and the exception is not indicated, then the item shall be rejected when delivered.

## **XVII. REQUESTS FOR CLARIFICATIONS**

Offerors may submit requests for clarifications via e-mail only, up to seven (7) days before the Proposal opening date. All requests shall be submitted to the Contacts provided in this document. All requests will be responded to in the form of an Addendum or Information to Offerors.

**PURCHASE AND DELIVERY OF ONE (1) HEAVY DUTY WALK-IN RESCUE SQUAD  
FOR THE STAFFORD COUNTY FIRE AND RESCUE DEPARTMENT**

**PROPOSAL #65124**

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## **Primary Apparatus Contacts**

Mark L. Doyle, Assistant Chief  
Stafford County Fire and Rescue Department  
Office: (540) 658-5363  
Cell: (540) 379-7831

### **I. Part I – Qualifications of Offeror**

A. The Manufacturer must meet the following conditions in order for the Proposal to be considered.

1. The Offeror shall furnish five (5) references, with names, addresses and telephone numbers, to verify their ability to construct the type of apparatus specified and shall state the location of the factory where the apparatus is to be built.
2. The Offeror shall propose the model of equipment which meets the requirements of the specifications without material changes or modifications.
3. The Offeror has in operation, service facilities which have a repair parts inventory and trained factory service personnel for making complete repairs and overhaul of its make of equipment within the Baltimore-Washington Metropolitan Area.

B. Non-Collusive Certification

1. By submission of this Proposal, each Offeror and each person signing on behalf of any Offeror certifies, under penalty of perjury, that to the best of their knowledge and belief:
  - a. The prices in this Proposal have been derived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, with any other Offeror or with any competitor.
  - b. Unless otherwise required by law, the prices that have been quoted in this Proposal have not been knowingly disclosed by the Offeror and will not knowingly be disclosed by the Offeror prior to opening, directly or indirectly, to any other Offeror or to any competitor.
  - c. No attempt has been made by the Offeror to include any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

### C. Pricing

1. Price shall be net and shall include delivery of new vehicle and equipment to the point of delivery as indicated in the Proposal.
2. Provide a separate line item for each alternate, as described in the body of this document.
3. Provide a separate line item for the cost of travel expenses for the following customer inspections/meetings at the manufacturing facility.
  - a. Pre-construction Engineering meeting for five (5) Committee personnel
  - b. Mid-build pre-paint inspection for five (5) Committee personnel
  - c. Final inspection for five (5) Committee personnel

### D. Information to be furnished with Proposal

1. Offeror must submit their own detailed specifications, circulars, and all necessary data on equipment they propose to furnish.
2. If the equipment offered differs from the provisions contained in this specification, such difference must be explained in detail, and Proposal will receive careful consideration if such deviations do not depart from the intent of this specification and are in the best interests of the Owner.

### E. Guarantees

1. The Offeror guarantees that the equipment offered is new equipment, latest model of regular stock product, with parts regularly used for the type of equipment offered; also that no attachment of part has been substituted or applied contrary to Manufacturer's recommendations and standard practice.
2. Delivered unit must be guaranteed against faulty material and workmanship for a period of one (1) year from date of acceptance of apparatus and, if during this period such faults develop, the Manufacturer agrees to replace the unit or the part affected without cost to the Owner.
3. The Offeror shall be the sole responsible party for the vehicle once delivered and shall assume the full warranty responsibility as well.
4. The guarantee shall not cover breakage or damage caused by neglect, misuse or damage caused by actual fire service, collisions or carelessness on the part of others once the apparatus has been accepted and placed in service.

5. Contractor shall guarantee that the fire apparatus and all systems of that apparatus shall be thoroughly operated and tested prior to delivery.
6. Additional warranties shall be provided as noted within these specifications.

**F. Regulations**

1. The apparatus and equipment shall comply with the current rules and regulations of the Traffic and Motor Vehicle Laws of the State of Virginia and the Federal Governments (D.O.T. & F.M.V.S.S.) and of the National Fire Protection Association.
2. The Proposal must be prepared in accordance with the Manufacturer's printed, most current standard specification sheets with the available options listed. In addition to meeting these detailed specifications, any deviations to major assemblies or accessories shall be submitted to the Owner for approval.
3. Whether specifically mentioned herein or not, all parts necessary to provide complete and efficient fire apparatus shall be furnished.
4. Parts shall conform to the best current engineering practices of the industry relative to design, structure, quality of material and workmanship.

**G. Compliance with the Requirements of the Law.**

1. The Proposal shall contain such statements, resolutions, affidavits, certifications and other assurances as are or may be required under the laws of the State of Virginia.

**Part 2 - Cab and Chassis**

**A. General**

- |  | Yes   | No    |
|--|-------|-------|
| 1. The manufacturer shall ensure the vehicle meets the most recent Stafford County Fire and EMS Department, Apparatus Maintenance requirements for new Heavy Rescue Squad fire apparatus.                            | _____ | _____ |
| 2. Custom two (2) door chassis with rollover protection specifically designed for Fire Department use. Provide short "barrier-style" doors to sufficiently pass over a US DOT lateral traffic barrier (Jersey Wall). | _____ | _____ |
| 3. Constructed of stainless steel.   | _____ | _____ |
| 4. Lap style doors shall be required for compartment doors on the cab.   | _____ | _____ |
| 5. Approximate Vehicle Dimensions:   |       |       |

- |  |       |       |
|--|-------|-------|
| a. Length – 448”   | _____ | _____ |
| b. Wheelbase – 222”  | _____ | _____ |
| c. Height – 133”   | _____ | _____ |
| d. Walkway Height – 74”  | _____ | _____ |
| e. Width – 102”  | _____ | _____ |
| 6. Provide a brow mounted mirror attached to the upper front outboard passenger side corner of the cab, to allow the driver an unobstructed view of the officer’s side corner of the front bumper. The mirror shall be mounted as far outboard as possible | _____ | _____ |
| 7. Shall have "bus style mirrors" that are heated and electrically operated.   | _____ | _____ |
| 8. Provide a heating system and A/C for the two (2) person crew cab.   | _____ | _____ |
| 9. Provide and install the following items per committee specifications on location:   |       |       |
| a. Two (2) Kohler Responder Flashlight chargers  | _____ | _____ |
| 10. Provide a Kussmaul, Pump Plus 2000, combination battery charger and auto air pump.   | _____ | _____ |
| a. Install the electrical inlet in the drivers step well.  | _____ | _____ |
| b. Electrical inlet shall be a 120 VAC, 20 ampere, straight-blade household connection. Auto eject systems are acceptable.   | _____ | _____ |
| 11. Provide an officer side speedometer on the officer’s side dash or overhead switch area.  | _____ | _____ |
| 12. Provide an audible back-up alarm that will automatically operate when the vehicle transmission is placed in reverse.   | _____ | _____ |
| 13. Furnished and installed shall be a Camera Vehicle Monitoring System. The system will have cameras located in the rear rescue interior and rear body to monitor crew and when backing.  | _____ | _____ |
| 14. Provide LED fixtures for all FMVSS Lighting, except for the headlights and back-up lights.   | _____ | _____ |
| 15. Provide a DAVCO (or approved equivalent) fuel water separator.   | _____ | _____ |

16. Provide the largest available fuel tank, without encroaching on the angle of departure. The fuel fill shall be on the driver's side. The fuel level-sending unit shall be accessible without having to remove the tank. \_\_\_\_\_
17. The cab and chassis shall not utilize a multi-plex style electrical system. \_\_\_\_\_
18. Fasteners
  - a. All threaded fasteners (screws, bolts, nuts, washers, etc...) shall be stainless steel. Plated fasteners are prohibited. \_\_\_\_\_
  - b. Sheet metal screws are prohibited. \_\_\_\_\_
  - c. All nuts shall be the nylon insert locking type. \_\_\_\_\_
  - d. All machine screws inserted into tapped threads shall be treated with a removable thread locker fluid before final insertion. \_\_\_\_\_
19. All cab interior surfaces shall be painted in black LINE-X (IE: Falmouth Engine 1). \_\_\_\_\_
20. Cab Roof:
  - a. The roof of the cab shall be covered with high polished aluminum diamond plating. The tread plate shall be of the NFPA approved walkway 'knurled' diamondette. The cab shall be designed to support a minimum of four hundred (400) pounds. The perimeter of the tread plate, at the junction with the cab roof, shall be sealed. The diamond plate shall be in addition to the cab roof skin. \_\_\_\_\_

#### B. Seating

1. Provide an H.O. Bostrom, Sierra ABTS reclining air suspension high back seat for the Driver. The seat shall be upholstered in Black Durawear. \_\_\_\_\_
2. Provide an H.O. Bostrom, Tanker 450 ABTS seat with an H.O. Bostrom Secure All SCBA Locking System or equivalent for the Officer. The seat shall have a front to back slide adjustment and have provisions for mounting an SCBA bracket. Install the seat as far aft as possible in order to provide the driver an unobstructed view of the mirror. Front edge of seat shall not be positioned aft of any seat mounting platform. The seat shall be upholstered in Black Durawear. \_\_\_\_\_

C. Suspension

1. Front - Independent front suspensions will be considered. \_\_\_\_\_
2. Rear  
  - a. Hendrickson Fire-Maxx Air-ride suspension. A conventional leaf sprung suspension will not be considered. \_\_\_\_\_
  - b. Axle must be properly sized for the width rescue body proposed. \_\_\_\_\_

D. Front Axle

1. Twenty thousand (20,000) pound front axle with IFS. \_\_\_\_\_
2. The appropriate front tire capable of carrying anticipated weight and additional safety factors as established by the D.O.T. and rescue committee \_\_\_\_\_

E. Rear Axle

1. Tandem axle \_\_\_\_\_
2. Provide a driver controlled differential lock, controlled by a switch on the driver's console. \_\_\_\_\_
3. Provide a driver controlled power divider, which when activated will divide and transfer power to both rear axles simultaneously. \_\_\_\_\_
4. Provide 'On-Spot' automatic tire chains on the primary drive axle. \_\_\_\_\_
5. The vehicle shall have a maximum speed of seventy (70) mph. \_\_\_\_\_

F. Brakes

1. The braking system shall be provided with the MERITOR-WABCO (formerly Rockwell) six (6) channel anti-lock braking system (ABS) to assist in providing safe stopping without wheel lockup. This electronic system shall monitor and control wheel speed during braking. \_\_\_\_\_
2. Disc brakes with automatic slack adjusters. \_\_\_\_\_
3. Provide a manual front wheel lock-up brake system that will lock the front brakes upon actuation of the control in the driver's console. \_\_\_\_\_

#### G. Motor

1. A Diesel, with minimum 525 HP.

High idle - A high idle switch will be provided, inside the cab, on the instrument panel that will automatically maintain a preset engine rpm. A switch will be installed, at the cab instrument panel, for activation/deactivation. The high idle will be operational only when the parking brake is on and the truck transmission is in neutral. A green indicator light will be provided, adjacent to the switch. The light will illuminate when the above conditions are met. The light will be labeled "OK to Engage High Idle".

\_\_\_\_\_

#### H. Transmission

1. An Allison, Model 4000 - EVS-P, electronically controlled, 6 (six) speed automatic transmission with integral fluid filter shall be provided. A touch pad shift control module shall be mounted to the right of the driver on the console and shall have indirect lighting for night time operation. A transmission cooler shall be installed in the radiator return tank. A warning light and buzzer shall be provided on the cab dash to alert the driver should the transmission overheat.
2. The Allison transmission shall be delivered from the factory with Transynd transmission fluid in place of the standard Dexron III fluid. The Transynd fluid is a synthetic oil that allows an extended period between maintenance changes of the filters and fluid

\_\_\_\_\_

Provide two hot shift PTO's. One PTO shall serve the Amkus 'Ultimate' System and one shall serve the Generator.

\_\_\_\_\_

#### I. Alternator

Provide a minimum 320 amp Leece Neville (or approved equivalent) alternator.

\_\_\_\_\_

#### J. Battery Box

It is desired that the battery box not be located in, or occupy space in any of the main rescue body compartments. If the battery box must be located in a rescue body compartment, it shall be in the bottom of the first driver side rescue body compartment, against the aft wall.

\_\_\_\_\_

K. Headlights

Provide a pair of rectangular low beam and low/high beam headlights. Mount the headlights in a dual chrome finished bezels, in the lowest light position on the face of the cab.

\_\_\_\_\_

L. Turn Signals

Provide a pair of Whelen, Model 60A00TAR LED turn signals.

\_\_\_\_\_

M. Engine Brake

Provide a compression style engine brake. The brake shall have an on/off switch and a switch with driver-controlled strengths with the following settings: Low, Medium, and High.

\_\_\_\_\_

N. Exhaust

1. The exhaust shall be discharged vertically, above the cab roofline between the rescue body and cab. The exhaust tip shall be chrome.
2. The exhaust shall have a WARD Diesel Filter System installed.

\_\_\_\_\_

\_\_\_\_\_

O. Transverse compartment

Provide a transverse equipment compartment behind the driver/officer seats. The compartment shall house two Mil-Spec stokes rescue stretchers mounted horizontally across the top of the transverse compartment. There shall be at least six inches (6") of clear space above the stokes rescue stretcher for equipment storage inside the stretcher. A horizontal mounting slot shall be provided for a Little Giant ladder (officer's side access only) directly below the Stokes basket shelf. A twenty-four (24) inch deep (minimum), full compartment width space shall be provided on the officer's side, directly below the Little Giant Ladder storage. Additionally, a similar space shall be provided on the driver's side, below stokes shelf for driver's SCBA and drivers turnout gear.

\_\_\_\_\_

P. Power train service

The vehicle fluids (engine oil, transmission fluid, coolant, windshield washer) shall be able to be checked via dipstick access without tilting the cab or removing equipment within the cab transverse compartment.

\_\_\_\_\_

Q. Front Bumper

1. The front bumper shall be approximately an eighteen inch (18") steel bumper, painted color to be determined. The face of the bumper shall be



continuous, except for a recessed section to accommodate the roller fairleads for the fixed front mounted winch and cutouts for two (2) Per-Lux driving lights.

\_\_\_\_\_

2. An aluminum-diamond plate gravel pan shall be provided.

\_\_\_\_\_

3. Two (2) loop tow eyes shall be provided on the front face of the bumper. The tow eyes shall not interfere with the use of the winch.

\_\_\_\_\_

4. A compartment shall be provided on the both sides of the bumper. The compartment shall be as deep as possible without affecting the maximum attainable angle of approach. The compartment shall be as large as possible.

\_\_\_\_\_

a. An aluminum diamond-plate cover with a hold-open spring shall be provided. The cover shall have a latch device that can be operated with a gloved hand. The cover shall not rely on resting on the cab face to remain open.

\_\_\_\_\_

b. The compartment shall be designed to hold one hundred fifty (150) pounds.

\_\_\_\_\_

c. A light is not required in this compartment.

\_\_\_\_\_

d. The compartment cover shall be watertight.

\_\_\_\_\_

5. A cover shall be built into the gravel guard to access the fixed electric winch. The cover shall have a hold-open spring, and shall have the ability to be operated by a gloved hand. The cover shall have flush-style latches. The cover shall not rely on resting on the cab face to remain open.

\_\_\_\_\_

a. The winch access area shall be equipped with an LED area light for service, and to view the winch during night operations.

\_\_\_\_\_

b. The cover shall be similar in design to the bumper compartment lid specified in #4 above

\_\_\_\_\_

#### R. Rear Bumper

Two (2) tow eyes shall be provided though the rear of the rescue body. The tow eyes shall not interfere with the use of the rear receiver winch.

\_\_\_\_\_

#### S. Wheels

Polished aluminum wheels shall be provided for all wheels.

\_\_\_\_\_

- a. All air-fill connections for the tires shall be extended to be accessible by a standard, angled tire fill air chuck from the exterior face of the wheel or wheel set. \_\_\_\_\_
- b. Provide chrome plated metal hub covers and lug nut covers for exposed lug nuts and wheel hubs. \_\_\_\_\_

### Part 3 - Rescue Body

#### A. General

- 1. Heavy duty walk-in rescue body to be constructed of formed stainless steel. \_\_\_\_\_
- 2. Manufacturers that offer both aluminum and stainless steel rescue bodies shall provide a Proposal alternate for the second material. \_\_\_\_\_
- 3. Cover the painted surface around the tandem wheel wells with satin stainless steel. The satin stainless steel shall cover the vertical surface below the wheel well compartments on both sides of the vehicle. \_\_\_\_\_
- 4. The roof of the rescue body shall be covered with polished aluminum tread plating. The tread plate shall be of the NFPA approved walkway 'knurled' diamondette. The body shall be designed to support four hundred (400) pounds. The roof shall also have anchor points manufactured into the rescue body rated for rope rescue. The location shall be front, middle and rear. \_\_\_\_\_
- 5. Provide a central control console in the rescue body crew area to control lighting, air conditioning, and other utility functions in the rescue crew area. Also provide two (2) radio speakers in the control console equipped with volume controls. The speakers shall be wired to the mobile radios. \_\_\_\_\_
- 6. Provide a set of power and ground studs in the rescue body crew area. Provide a battery hot, switched battery, and ignition activated power studs. Also provide a vehicle ground stud. Locate these power studs behind the rescue body crew area control console. \_\_\_\_\_
- 7. Provide three (3) 16 AWG, single pair shielded circuits between the center switch console area of the cab, to the rescue body central control console. The circuits shall be coiled and labeled on each end, and be pulled from point-to-point without splices. \_\_\_\_\_
- 8. In an effort to maximize the angle of departure, the rescue body shall not have a rear tailboard installed across the width of the vehicle. The first

- step up into the rescue body crew area shall be recessed in the rear face of the rescue body. \_\_\_\_\_
9. Provide and install the following items per committee specifications on location: \_\_\_\_\_
- a. Four (4) Kohler Responder Flashlight chargers \_\_\_\_\_
- B. Heating and Air Conditioning
1. Provide an air conditioning system in the crew cab area.
- a. Air conditioning unit(s) shall not be mounted so the equipment diminishes the height of the walkway. \_\_\_\_\_
- b. Air conditioning unit(s) shall not be mounted directly above the walkway, but shall be side mounted on each side, above the equipment counters. \_\_\_\_\_
2. Provide a heating system in the Rescue Body crew area, as well as, the exterior compartments. \_\_\_\_\_
- C. Compartments
1. Full height rescue body compartments shall be of sufficient height to provide a minimum sixty-three inch (63") clear door opening height (inside door frame) with the doors open. \_\_\_\_\_
2. Rescue body compartments shall be a minimum of twenty-six inches (26") deep. \_\_\_\_\_
3. Provide compartment wall to wall and floor to ceiling dimensions. Also, provide top to bottom inside door frame opening dimensions and clear width dimensions with the compartment lap doors in the ninety (90) degree open position. \_\_\_\_\_
4. All compartment doors shall be lap style with vertical hinges. \_\_\_\_\_
5. Compartment interiors, including shelves and interior door panels shall be Line-X covered or equivalent. \_\_\_\_\_
6. Compartment doors shall be mounted on stainless steel piano hinges. Doors shall be bolted to the door framing with stainless steel hex head bolts. Doors mounted with Self-tapping sheet metal screws are not acceptable \_\_\_\_\_

7. Eberhard 206 latches with stainless steel “D” ring handles shall be provided as latching mechanisms for all compartment doors. A rubber gasket shall be provided between the “D” ring handle and the door. \_\_\_\_\_
8. Provide vertical shelving strut in all compartments unless directed otherwise. \_\_\_\_\_
9. First compartment behind cab shall be transverse, and shall be a minimum of sixty inches (60”) in width, wall to wall. \_\_\_\_\_
  - a. Provide five (5) open top chain boxes, eight inch (8”) wide x eight inch (8”) tall on the bottom of this compartment, both sides. The chain boxes shall be twenty-four inches (24”) deep. The chain boxes shall be constructed of aluminum, and shall incorporate an integral oval opening on each end that will serve as grab handles. The chain boxes shall rest on a replaceable poly wear strips. Provide a retention strip that will prevent the chain boxes from vibrating outboard and rubbing against the compartment door. The retention strip shall be fabricated of one-half inch (½”) diameter round stock and positioned such that the boxes must be lifted slightly over the retention strip, in order to pull them from the vehicle. \_\_\_\_\_
  - b. Provide five (5) similar boxes directly above the eight inch (8”) x eight inch (8”) boxes as described above, both sides. These boxes shall be eight (8”) wide x four inches (4”) tall, and shall rest on an independent support. Configure these boxes in a similar manner as described above. \_\_\_\_\_
  - c. Provide a fixed shelf above the upper row of chain boxes. Each fixed shelf shall be constructed of sufficient strength to support five hundred (500) pounds minimum. The shelves shall be used for mounting hydraulic rescue tools. Additionally, they shall be positioned to provide sufficient clearance to allow for easy removal of the chain boxes with a gloved hand. \_\_\_\_\_
  - d. The forward wall on the driver side shall be reserved for electrical panels. \_\_\_\_\_
  - e. The rear wall on the driver side and the forward and rear walls on the passenger side shall be reserved for tool mounting by the customer. The manufacturer shall mount no equipment on these walls. \_\_\_\_\_
  - f. Shelving strut is not required in this compartment \_\_\_\_\_
10. Second DS compartment behind cab shall be minimum compartment depth, and shall be a minimum of sixty (60) inches in width, wall to wall. \_\_\_\_\_

- a. Provide one (1) full height pull out tool board in the driver's side compartment. The tool board shall be adjustable side to side, and shall pull out to a minimum of one hundred percent (100%) extension. \_\_\_\_\_
  - b. Tool board material shall be smooth aluminum. \_\_\_\_\_
  - c. The tool board shall have a minimum usable mounting surface of sixty inches (60") x twenty four and one half inches (24-1/2"). \_\_\_\_\_
  - d. The tool board shall have a maximum weight capacity of two hundred fifty (250) pounds. \_\_\_\_\_
  - e. Adjustable shelving strut is not required in this compartment. \_\_\_\_\_
11. DS front wheel well compartment shall be minimum compartment depth, and shall be a minimum of forty eight (48) inches in width, wall to wall. \_\_\_\_\_
- a. This compartment will carry large amounts of wood cribbing. The sides of the compartment shall be smooth, with no obstructions or material that will interfere with the organized stacking and removal of the cribbing. \_\_\_\_\_
  - b. These compartments shall be equipped with two vertical adjustable stainless steel partitions. The partitions shall be uniform in thickness, and smooth on each side to allow the unobstructed stacking and removal of wood cribbing. \_\_\_\_\_
  - c. Shelving strut is not required in this compartment. \_\_\_\_\_
  - d. Compartment lighting shall be provided along the top inside edge of the door frame only, to prevent damage induced by the wood cribbing. \_\_\_\_\_
12. DS rear wheel well compartment shall be minimum compartment depth, and shall be a minimum of forty eight (48) inches in width, wall to wall. \_\_\_\_\_
- Provide a pull out/tilt down style shelf in this compartment. The height of the shelf shall be adjustable by the customer. The shelf shall be constructed as large as possible, and shall have a two (2) inch lip. Provide interior dimensions of this pull out tilt down shelf. \_\_\_\_\_
13. DS rear compartment shall be minimum compartment depth, and shall be a minimum of sixty (60) inches in width, wall to wall. \_\_\_\_\_

- a. The Harrison Hydraulic Generator (if chosen) shall be mounted in the bottom of this compartment. \_\_\_\_\_
- b. Provide one (1) fixed shelf directly above the hydraulic generator and one adjustable shelf above the fixed shelf in this compartment. The fixed shelf shall be positioned to provide the most usable space in the compartment area above the hydraulic generator. The shelves shall be as large as possible, and have a two (2) inch lip. The adjustable shelf shall be fully adjustable in the vertical direction by the customer. \_\_\_\_\_
14. Second PS compartment behind cab shall be minimum compartment depth, and shall be a minimum of sixty (60) inches in width, wall to wall. \_\_\_\_\_
- a. A five hundred (500) pound slide out tray shall be provided at the bottom of the compartment. The slide out tray shall be as deep as possible. The slide out tray shall have an inside width of forty eight (48) inches, minimum. The tray shall be mounted as low as possible in the compartment to afford the largest amount of vertical storage space above. The shelf shall also be provided with a two (2) inch lip on all four (4) sides. \_\_\_\_\_
- b. Provide two (2) adjustable shelves in this compartment. The shelves shall be as large as possible, and have a two (2) inch lip. They shall be fully adjustable in the vertical direction by the customer. \_\_\_\_\_
15. PS front wheel well compartment shall be minimum compartment depth, and shall be a minimum of forty eight (48) inches in width, wall to wall. \_\_\_\_\_
- a. This compartment will carry large amounts of wood cribbing. The sides of the compartment shall be smooth, with no obstructions or material that will interfere with the organized stacking and removal of the cribbing. \_\_\_\_\_
- b. These compartments shall be equipped with two vertical adjustable stainless steel partitions. The partitions shall be uniform in thickness, and smooth on each side to allow the unobstructed stacking and removal of wood cribbing. \_\_\_\_\_
- c. Shelving strut is not required in this compartment. \_\_\_\_\_
- d. Compartment lighting shall be provided along the top inside edge of the doorframe only, to prevent damage induced by the wood cribbing. \_\_\_\_\_
16. PS rear wheel well compartment shall be minimum compartment depth, and shall be a minimum of forty eight (48) inches in width, wall to wall. \_\_\_\_\_

17. PS rear compartment shall be minimum compartment depth, and shall be a minimum of sixty (60) inches in width wall to wall. \_\_\_\_\_
18. Provide five (5) two-cylinder SCBA bottle compartments on the sides of the rescue body. Each compartment shall be provided with a hinged brushed stainless steel door, and equipped with a stainless steel latch. \_\_\_\_\_
- a. On the DS directly in front of the front tandem wheel well. \_\_\_\_\_
- b. On the DS between the tandem wheel wells. This compartment shall also hold a receiver hitch and power connection point for the multi-mount winch system. \_\_\_\_\_
- c. On the PS directly in front of the front tandem wheel well. \_\_\_\_\_
- d. On the PS between the tandem wheel wells. This compartment shall also hold a receiver hitch and power connection point for the multi-mount winch system. \_\_\_\_\_
- e. On the PS directly to the rear of the rear tandem wheel well. \_\_\_\_\_
19. Provide a compartment within/behind the rear steps to the rescue body crew area. The compartment shall also access the area between the vehicle frame rails. This compartment shall house the multi-mount winch and shall be protected from road dirt accumulation. If possible provide at least two (2) two (2) inch PVC tubes in this compartment for twelve (12) foot long hook storage. \_\_\_\_\_
20. Provide (2) “belly” trays mounted to the forward most part of the rescue body on each side capable of holding four (4) “step chocks” and four (4) eighteen (18) inch four (4) x four (4) pieces of cribbing. The trays shall have fold down doors and be weatherproof. \_\_\_\_\_

#### D. Hydraulic Generator

1. The system shall be a Harrison hydraulic generator, rated at 30 kilowatts, 120/240 VAC, single phase, 60 hertz, or approved equal. The system shall be designed and assembled by a company with no less than 10 years experience in the manufacture of hydraulic driven systems. \_\_\_\_\_
2. The motor/generator shall be placed in a tray frame assembly which affords protection to the components and provides a unitized mounting module containing motor/generator, reservoir, oil cooler, filtration system, and a manifold containing a cross port check valve plus system relief valve. The generator shall be a commercial type with a heavy-duty bearing and of brushless design to ensure low maintenance. No brushes or slip rings

will be allowed. The reservoir shall include an oil level gauge, oil temperature gauge, fill cap, fill strainer, and a boost unit to provide a positive pressure to the pump suction port. The generator and hydraulic motor shall be close coupled and permanently aligned using a Morse taper with a through bolt to secure the motor to the generator. No two bearing generators or shaft coupling devices are allowed. \_\_\_\_\_

3. The system must be capable of producing the rated full-load power when driven from the vehicle PTO from idle to maximum engine speed. \_\_\_\_\_
4. The hydraulic motor and pump shall be of axial piston design to provide low internal leakage and a high degree of frequency stability. No gear pumps or gear motors are allowed. The pump will match to the system with the proper orifice, pressure compensator and load sensing to provide a stable output over the rated speed range of the pump and with electrical loads from no load to full-load \_\_\_\_\_
5. When properly installed, the system shall be warranted by the manufacturer for a period of not less than two (2) years or two thousand (2,000) hours, which ever should come first \_\_\_\_\_
6. The generator shall be located in the bottom of the last rescue body compartment, driver's side. The bottom section of this compartment shall be used to house the Harrison generator. The exterior of the side of the body shall be adequately ventilated to ensure proper cooling. The ventilated side panel shall be horizontally hinged at the bottom, to access the generator. \_\_\_\_\_

E. Hydraulic Rescue Tool (HRT) system

1. An Amkus "Ultimate" HRT system shall be installed by the OEM and tested and certified by Amkus prior to delivery. The Amkus "Ultimate" system shall be PTO driven from a dedicated PTO. A switch to activate the PTO shall be located on the driver's console. \_\_\_\_\_
  - a. The AMKUS system shall be a six (6) tool system \_\_\_\_\_
  - b. The hydraulic cooler shall not be mounted in the front wall of the first transverse compartment, and/or shall not take up any compartment storage space unless approved by the committee. \_\_\_\_\_

F. As an alternate to the Amkus 'Ultimate' HRT System specified above, provide the customer with the following and a credit for the deletion of the Amkus 'Ultimate' system. \_\_\_\_\_

1. Provide two (2) Amkus electric SIMO pumps and a mounting system for on the frame rail hump. The pumps shall be mounted on a slide out tray



that will extend to the drivers side doorframe to simplify maintenance. The tray shall have a two (2) inch lip (minimum) on all four sides. Each pump shall sit in an oil proof stainless steel pan that can be removed from the slide out tray for cleaning.

\_\_\_\_\_

a. One (1) pump shall power two (2) hydraulic rescue reels on the driver's side and one (1) pump shall power two (2) hydraulic rescue reels on the officer's side.

\_\_\_\_\_

b. The valves and site glass for each pump shall face the driver's side of the vehicle.

\_\_\_\_\_

2. Provide two (2) 240 VAC, 30 amp switched twist lock receptacles in the compartment to power the Amkus pumps. The switches for these receptacles shall be located on the drivers side of the first transverse rescue body compartment.

\_\_\_\_\_

#### G. Hydraulic Rescue Reels

1. Provide four (4) Amkus hydraulic reels (or approved equal) with 12 VDC electric rewind and one hundred fifty (150) feet of Amkus hose on each reel. The four (4) hydraulic reels shall be mounted in the first rescue body compartment (two (2) each side). 12 VDC power for the rewind motors shall be provided when the vehicle master switch is in the "on" position. The reels shall be mounted side-by-side, as far outboard as possible.

\_\_\_\_\_

a. Position the reels to provide at least six (6) inches of space between the reel and the aft wall of the compartment (from floor to ceiling) both sides. This space shall be reserved for customer tool mounting.

\_\_\_\_\_

b. Provide two (2) hydraulic ports front and rear for tool connections.

\_\_\_\_\_

#### H. Electric rewind cord reels (120 VAC)

1. Two (2) 120 VAC Hannay, Model ECR1618-17-18 (or approved equivalent) power rewind cord reels shall be provided (one (1) each side). Capacity of the reels shall be a minimum of two hundred (200) feet of 10/3 heavy-duty jacketed outdoor cable. 12 VDC power for the rewind motors shall be provided when the vehicle master switch is in the "on" position. Cable shall be yellow in color.

\_\_\_\_\_

2. Mount two reels (one (1) each side) in the first rescue body compartment

\_\_\_\_\_

3. Cord reels shall be mounted as high as possible and inboard from the hydraulic rescue reels.

\_\_\_\_\_

4. Provide roller fairleads on the reels, as well as a fairlead between the each pair of hydraulic rescue reels. The outboard roller fairleads shall be positioned between the rescue reels (each side). \_\_\_\_\_

I. J-Boxes

1. Provide two (2) Akron Brass Junction Boxes (or approved equivalent) direct wired to each electric rewind cord reel. \_\_\_\_\_
2. Each junction box shall contain three (3) 20 amp L5-20 twist lock receptacles, and one (1) 20 amp straight blade household receptacle. The junction boxes shall be powder coated yellow, and shall be illuminated from the interior. \_\_\_\_\_

J. Winches

1. Provide a fifteen thousand (15,000) pound (minimum) electric winch permanently mounted in the front bumper. \_\_\_\_\_
- a. Bumper extension will be shortest possible to meet this requirement \_\_\_\_\_
- b. Ninety (90) feet of seven sixteenth (7/16) inch (minimum) wire rope shall be provided \_\_\_\_\_
- c. Provide roller fairleads on the winch housing to minimize friction and stress on the wire rope \_\_\_\_\_
2. Provide the a fifteen thousand (15,000) pound minimum electric or hydraulic winch permanently mounted under the rear step of the rescue body. \_\_\_\_\_
3. Provide a “Multi Mount” electric winch (eight thousand (8,000) pound minimum). Winch shall be equipped with one hundred (100) feet of “Spectra” (or approved equivalent) synthetic winch cable. \_\_\_\_\_
- a. Provide mounting points for the multi-mount winch on each side of the vehicle near between the tandem axles, and one (1) facing to the rear. \_\_\_\_\_
- b. Mounts must be anchored to the vehicle frame, and rated to handle the capacity of the winch. \_\_\_\_\_
- c. Mounts shall be located so all compartments are fully operable when the winch is mounted. \_\_\_\_\_

- d. Mounts and body arrangement around the mount shall make it accessible to install mount pin and 12-volt adapter at each location. \_\_\_\_\_
  - e. The rear mount shall be integral or directly underneath the rear step. Provide a quick disconnect power point for the winch at this location. \_\_\_\_\_
  - f. The side mounts shall be contained inside a dual air bottle compartment between the rear axles. Provide a quick disconnect power point for the winch inside this compartment. \_\_\_\_\_
  - g. Provide roller fairleads on the winch housing to minimize friction and stress on the wire rope. \_\_\_\_\_
4. Provide three (3) towing type receivers, frame mounted and installed one (1) each side of the rear wheel well and one (1) in rear step below the rear body access steps. Body mounted receivers are not acceptable. The receivers shall be rated to meet the requirements of NFPA 1901. The two (2) side receivers shall be installed in a 'special' compartment with a vertically hinged stainless steel door with lift-and-turn latch assembly. All receivers shall be accessible to provide access for the operator to install the winch receiver lock pin. A 12 volt power supply with a quick disconnect receptacle shall be provided at each receiver location to supply power for the winch. Each winch receiver compartment shall be equipped with a Whelen Model 5SCAOCCR high intensity LED work lights (or approved equivalent). The lights shall illuminate whenever the 'Maxi' brake is applied and the park/headlights are on. \_\_\_\_\_
- a. Included shall be three (3) receiver shackle tow eyelets, rated at four thousand (4000) pounds. The receivers shall be attached to a receiver insert. The eyelets shall be used in conjunction with the three (3) onboard receivers for purposes of securing rope at each location. \_\_\_\_\_

#### K. Ladders

- 1. Provide a Duo-Safety, Series 900-A, twenty four (24) foot extension ladder, and a Duo- Safety ten (10) foot folding ladder. The two (2) ladders shall be mounted vertically in a compartment under the flip down bench seats in the rear of the rescue body. \_\_\_\_\_
- 2. Provide a Little Giant, Type 1A, Model 17, ladder. Mount the Little Giant ladder horizontally in the Cab transverse compartment, directly under the Stokes basket shelf. Access for this ladder shall be from the officer's side. \_\_\_\_\_

L. Rescue Body Seating

1. Seating shall be provided for six (6) firefighters in the rear of the rescue body. There shall be a sensor to alert that the driver and officer that the crew is seated and belted. The sensor shall also alert the driver and officer if the seat is not occupied. \_\_\_\_\_
2. Three (3) point seat belts shall be provided for four (4) seating positions. The seating positions shall be equally spaced along the length of the walkway on the OS rescue body interior wall above the ladder compartment. Seat-belts shall be easily connected and disconnected while wearing full firefighting P.P.E. \_\_\_\_\_
3. Provide six (6) H.O. Bostrom Tanker 400CT Flip Up/ABTS Seats (or equivalent) with H.O. Bostrom Secure All SCBA Locking System (or equivalent) provided for each seat. Seat and seat backs shall be covered in "Durawear" material (or approved equal), similar to the Bostrom seats in the cab. \_\_\_\_\_
4. Seats shall have integrated roll over protection specifically designed for Fire Department use. \_\_\_\_\_

M. Equipment Storage

1. Provide a custom storage unit in the DS forward area of the rescue body crew area. The storage unit shall occupy the area outboard of the frame rails, directly above the 1st transverse rescue body compartment. The unit shall be constructed of smooth aluminum or stainless steel. The unit shall be constructed from the counter level (the surface created by the ceiling of the 1st rescue body compartment) to the ceiling of the rescue body crew area. \_\_\_\_\_
  - a. Provide two (2) adjustable shelves within the storage unit. \_\_\_\_\_
  - b. The open end of the storage unit shall face the center of the vehicle \_\_\_\_\_
  - b. Provide a cargo net, constructed of nylon webbing (minimum one and one half inch (1.5") to cover the open face of the unit. The cargo net shall be secured at the top and the sides with easy to release automotive style seatbelt latches. \_\_\_\_\_
2. Provide a custom storage unit in the PS forward area of the rescue body crew area. The storage unit shall occupy the area outboard of the frame rails, directly above the 1st transverse rescue body compartment. The unit shall be constructed of smooth aluminum or stainless steel. \_\_\_\_\_

- a. The unit shall be constructed from the counter level (the surface created by the ceiling of the 1st rescue body compartment) to the ceiling of the rescue body crew area. \_\_\_\_\_
  - b. Provide two (2) adjustable shelves within the storage unit. \_\_\_\_\_
  - c. The open end of the storage unit shall face the center of the vehicle. \_\_\_\_\_
  - d. Provide a cargo net, constructed of nylon webbing (minimum one and one half inch (1.5")) to cover the open face of the unit. The cargo net shall be secured at the top and the sides with easy to release automotive style seatbelt latches. \_\_\_\_\_
3. Provide a storage area for large Maxiforce airbags at the forward end of the walkway, above the center of the 1st rescue body compartment, between the storage units outlined in paragraphs #1 and #2 above. This area shall be a flat open top area surrounded by a three (3) inch lip on the left and right side, as well as the aft end. The surface of the storage area shall not be diamond tread, but shall be smooth aluminum to prevent excessive wear on the customer's air bags. The lip on the aft end shall be rolled with a one half inch (1/2") radius (minimum), to increase strength and minimize injury to personnel leaning or climbing over this lip. Provide two (2) one and one half inch (1.5") (minimum) adjustable nylon-webbing straps secured at the forward end of the storage area. Secure the latch end at the aft end. The latches shall be easy to release automotive style seatbelt latches. \_\_\_\_\_
4. Provide a custom storage unit on the DS of the rescue body crew area. The storage unit shall sit on the equipment counter behind the center flip down seat, and extend to the ceiling of the rescue body crew area. The storage area shall be constructed of smooth aluminum of stainless steel. \_\_\_\_\_
  - a. The storage unit shall be as deep as possible, and shall be approximately four (4) feet in length. \_\_\_\_\_
  - b. Provide two (2) adjustable shelves within the storage unit. \_\_\_\_\_
  - c. The open end of the storage unit shall face the center aisle of the vehicle \_\_\_\_\_
  - d. Provide a cargo net, constructed of nylon webbing (minimum one and one half inch (1.5")) to cover the open face of the unit. The cargo net shall be secured at the top and the sides with easy to release automotive style seatbelt latches. \_\_\_\_\_

N. Grab Rail

Two (2) full length handrails shall be provided and installed one (1) at the ceiling on the left side of the walkway over the front edge of the squad bench and one mounted on the horizontal countertop opposite the seats. This handrail shall run the length of the countertop. Handrails shall be supported by chrome plated stanchions and be of similar construction and utilize the same mounting hardware as the other handrails on the apparatus, i.e. serrated exterior surface with rubber inserts, rubberized gaskets, stainless steel bolts, etc.

\_\_\_\_\_

O. SCBA Mounts

1. Provide six (6) H.O. Bostrom Secure All Locking System (or equivalent) SCBA mounting brackets on each seat.

\_\_\_\_\_

2. Ensure adequate reinforcement is provided to the OS rescue body, in order to properly support the various forces induced by the SCBA mounting system.

\_\_\_\_\_

3. SCBA brackets shall be crash rated.

\_\_\_\_\_

P. Rescue Body Doors, Windows, and Interior

1. Provide four (4) sliding windows (two (2) each side) on the sides of the rescue body. The windows shall be as large as possible and equipped with screens.

\_\_\_\_\_

2. Provide one (1) sliding window (as large as possible) centered in the forward wall of the rescue body, overlooking the cab roof.

\_\_\_\_\_

3. Provide a double personnel door on the rear of the vehicle. The door shall have non-opening windows, and shall not be flush with the rear wall of the rescue body. The doors shall not protrude beyond the rear face of the vehicle when fully open.

\_\_\_\_\_

4. Provide a “man-saver” bar at the entrance to the interior walkway. The bar shall not interfere with the operation of the double personnel doors.

\_\_\_\_\_

5. Rescue body crew area shall be lined with aluminum and covered with Black Line-X.

\_\_\_\_\_

Q. Rub Rails

Provide black poly rub rails on both sides of the rescue body below the compartment doors, at mid-point of the rescue body, and at the top of the rescue body. (IE: FDNY Rescue 1).

\_\_\_\_\_

R. Signal Buzzer

Provide signal button in the rescue body crew area, connected to the back-up buzzer circuit. The button shall be located near the double crew door.

\_\_\_\_\_

**Part 4 - Intercom System/Radio Interface**

A. Provide a David Clark intercom system and radio interface on the vehicle.

\_\_\_\_\_

1. Provide a dual radio interface, for two radios in the cab. The driver and officer shall have PTT and volume controls for both radios, as well as volume controls for the intercom.

\_\_\_\_\_

2. Provide a headset for the driver and officer

\_\_\_\_\_

3. Provide a headset station with volume control, and a headset for each seated position in the rescue body of the vehicle.

\_\_\_\_\_

4. The committee will specify the location of all headset stations and related hardware.

\_\_\_\_\_

**Part 5 - Power and Ground Studs**

A. Provide power (battery hot, switched battery, and ignition) and ground studs on the vehicle in the following locations:

\_\_\_\_\_

1. In the cab, behind the center radio/switch console

\_\_\_\_\_

2. In the rescue body, behind the control console.

\_\_\_\_\_

**Part 6 - DOT Clearance and Marker Lights**

A. All clearance and marker lights shall meet Federal Department of Transportation, Federal Motor Vehicle Safety Standards, and shall be LED.

\_\_\_\_\_

B. Rub rail marker lights shall meet the following additional requirements.

\_\_\_\_\_

1. All lighting units that are to be installed within the rub rail area (when required) shall be recessed for protection.

\_\_\_\_\_

2. Access to each light must be made through the rub rail in the event the light is to be replaced. Each hole in the rub rail for the light shall be large

enough to allow for easy replacement of the marker light(s). \_\_\_\_\_

## Part 7 - 120/240 VAC Lighting

### A. Rescue body

1. Provide three (3) 750 watt 240 VAC light heads on each side of the rescue rescue body. Mount the fixtures in the upper forward, middle and aft corners of each side of the rescue body. \_\_\_\_\_
2. Provide one (1) 750 watt, 240 VAC light head on the rear of the rescue body. Mount as high as possible above the personnel door. \_\_\_\_\_
3. The light heads shall be mounted in a fashion that provides for easy bulb replacement. \_\_\_\_\_
4. The light heads shall be powder coated white, and shall not be equipped with individual light mounted switches. \_\_\_\_\_
5. Provide four (4) fluorescent light fixtures on the ceiling of the rescue body. \_\_\_\_\_
  - a. These lights shall be powered from the shoreline, and shall illuminate while the vehicle is parked in quarters. \_\_\_\_\_
  - b. A common switch shall control all of the lights. \_\_\_\_\_
  - c. Light fixtures are to be approximately twenty four (24) inches long. \_\_\_\_\_
  - d. Each light fixture shall have two (2) bulbs, approximately 15-watts each. \_\_\_\_\_
  - e. Each light fixture shall have a translucent, plastic, diffusing cover. \_\_\_\_\_
  - f. Fluorescent light fixtures are to be surface mounted on the ceiling, one (1) fixture adjacent to each sliding window. \_\_\_\_\_
  - g. Switches integral to each light are not allowed. \_\_\_\_\_

### B. Cab

1. Provide two (2) 750 watt, 240 VAC light heads (one (1) each side) mounted on the cab brow, above the windshield. The mounting brackets shall attach to the bottom of the lamp head and be machined to conform to the roof radius. Wiring shall extend from a weatherproof strain relief at the rear of the lamp head. \_\_\_\_\_



2. Provide two (2) 750 watt, 240 VAC light heads on the cab (one each side) behind the driver side and passenger side doorframes at a fifteen (15) degree angle forward. IE: Falmouth Engine 1 \_\_\_\_\_

The lamp heads shall have one (1) quartz halogen 750 watt 240 volt bulb. The bulb will draw 6.25 amps and generate approximately 35,000 lumens. The bulb shall be accessible through the front. Lamp head and brackets shall be powder coated white. \_\_\_\_\_

3. Provide cost of a 6000 watt Wil-burt Nightscan folding light tower mounted to the cab roof. \_\_\_\_\_

#### C. Switch controls

1. Provide four (4) switches on the officer side of the cab to control the body-mounted floodlights. The switches shall be labeled and control the corresponding lights as follows:

FRONT, OFFICERS SIDE, DRIVERS SIDE, REAR \_\_\_\_\_

#### D. Tripod lights

1. Provide two (2) tripod telescopic lights, equipped with 750W, 120 VAC lighting fixtures. Mounting shall be specified by the committee at a later date. \_\_\_\_\_

2. The light pole shall be anodized aluminum and have a knurled twist lock mechanism to secure the extension pole in position. The extension pole shall extend forty inches (40") and rotate three hundred sixty (360) degrees. An internal brake shall slow the extension pole during lowering. The outer pole shall be a grooved aluminum extrusion. The folding legs shall be anodized aluminum tubing with plastic end caps. The fully extended tripod system shall exceed a height of eleven (11) feet. Wiring shall extend from the pole bottom with a four (4) retractile cord. \_\_\_\_\_

Lamp head and mounting arm shall be powder coated white. Lamp head mounted switches shall not be provided. \_\_\_\_\_

3. Tripod truck mount bracket sets shall be installed for each lighting fixture. The sets shall include a lower base plate and an upper lock with a quick release spring loaded locking pin. \_\_\_\_\_

4. The lights shall be equipped with 20 amp, 120 VAC, L5-20 twist lock plugs. \_\_\_\_\_

## Part 8 - 120 VAC Receptacles

- A. 120 VAC L5-20 Twist Lock – Provide in the following locations, with weatherproof boxes and spring loaded weather resistant covers: \_\_\_\_\_
1. Two (2) on the front bumper gravel pan. Mount one (1) each side, on the vertical section of diamond tread between the bumper and the driver/passenger step wells. \_\_\_\_\_
  2. One (1) each side, on the diamond tread side panels, near the rear axles. \_\_\_\_\_
  3. Two (2) on the rear wall of the rescue body. These receptacles shall be positioned to support the plugging in of the tripod lights. \_\_\_\_\_
- B. 120 VAC Household straight blade receptacles: The receptacles shall be powered from the shoreline when the vehicle is parked and from the generator during generator operations. Provide in the following locations: \_\_\_\_\_
1. Provide four (4) quad receptacles in the rescue body crew compartment. Locate two (2) receptacles on each side of the vehicle at countertop level evenly spaced. Surface mount the receptacles on the outboard wall of the crew compartment interior. \_\_\_\_\_
  2. Provide one duplex receptacle in the front cab area, preferably behind the officer seat. \_\_\_\_\_

## Part 9 - 12 VDC Auxiliary Lighting and Systems

- A. Cab
1. Provide one (1) red and one (1) white (clear) ceiling mounted LED dome light over the driver and officer. The red light shall be controlled by an integral or centrally located panel switch. The white (clear) light shall be controlled by the cab door switches, or by an integral or centrally located panel switch. \_\_\_\_\_
  2. Provide a red flashing LED Hazard Light on the ceiling in close proximity to the driver. The hazard light shall turn on when a compartment door is open, and when one (1) of the cab doors is not fully closed. This operation will only function when the parking brake has been disengaged. \_\_\_\_\_
- B. Compartment Lighting
1. Provide Whelen, Truck-Lite, or approved equal strip style LED compartment lights in each rescue body compartment. Install the LED strip lights vertically, behind each rescue body compartment door hinge/frame. The lights shall

project the light into the compartment but shall remain hidden behind the doorframe.

\_\_\_\_\_

2. In transverse compartments, provide additional LED strip lighting in the center of the compartment.

\_\_\_\_\_

#### C. Rescue body crew lighting

1. Provide six (6) red and six (6) white (clear) LED dome lights recessed in the ceiling of the rescue body.

\_\_\_\_\_

2. LED dome lights shall be recessed.

\_\_\_\_\_

3. Mount the red lights in a row, directly above each seat back. Mount the white lights in a row directly above the equipment counters. Mount four (4) above the officer's side counter. Mount two (2) behind the flip down bench seats, one (1) above each counter on either side of the storage shelf.

\_\_\_\_\_

4. A dedicated switch shall control each bank of lights (red and white). The two (2) switches shall be located in a central control console in the rescue body crew compartment.

5. Lights with integral switches will not be allowed.

\_\_\_\_\_

6. No lights shall be located in the center of the ceiling, directly above the walkway.

\_\_\_\_\_

#### D. Crew area exit light

1. Provide two (2) Whelen 500 Series LED (or approved equivalent) lights in the rescue body crew area, directly above the rear door. One (1) light shall be green in color and shall activate only after the driver activates the vehicle parking brake. The light shall extinguish upon deactivation of the vehicle parking brake. The other light shall be red, and shall activate when the driver releases the vehicle parking brake. The light shall extinguish when the driver activates the vehicle parking brake.

\_\_\_\_\_

#### E. Underbody perimeter lighting

1. Provide Truck-Lite, Model 44 (or approved equivalent), four (4) inch LED grommet mount clear underbody perimeter lighting beneath each compartment, each passenger door, and beneath the front bumper and rear step area.

\_\_\_\_\_

2. The lights shall be mounted under the body, on an aluminum bracket at a forty-five (45) degree angle facing outboard.

\_\_\_\_\_

3. Light fixtures shall be connected to vehicle wiring by a weatherproof plug provided by the lighting manufacturer, as a standard option. Hardwiring of underbody lights is prohibited. \_\_\_\_\_

F. Cornering lights

1. Provide one Whelen, 700 series, twenty six (26) degree Opti-Scene halogen light on the rear wheel well apron, above the forward tandem axle. The lights shall illuminate the ground area and objects near the rear wheels when maneuvering in confined areas. Each light shall automatically turn on with the activation of its corresponding turn signal. Both lights shall also be controlled from a single switch on the driver's console. \_\_\_\_\_

G. Turn Signals

1. Provide one (1) pair of Whelen, Model 60A00TAR LED turn signals mounted on the rear of the rescue body. The lights shall be mounted with chrome finished trim rings, and set to the "Signal Alert" flash pattern. \_\_\_\_\_

H. Brake/Tail Lights

1. Provide one (1) pair of Whelen, Model 60R00XRR LED brake/tail signals mounted on the rear of the rescue body. The lights shall be mounted with chrome finished trim rings, and set to the "Signal Alert" flash pattern. \_\_\_\_\_

I. Back-Up Lights

1. Provide one (1) pair of Whelen, Model 60J000CR Halogen back-up lights mounted on the rear of the rescue body. The lights shall be mounted with chrome finished trim rings. \_\_\_\_\_

J. Rear Buzzers

1. Provide two (2) back-up buzzer buttons on the rear of the vehicle. The buttons shall be accessible while standing on the ground, to each side of the vehicle. The button shall activate an audible alarm in the cab, to signal the driver. \_\_\_\_\_

**Part 10 - Compressed Air System**

A. High Pressure Air Cylinders

1. Provide a four (4) ASME cylinder, 6000 lb high-pressure air cascade system. The system shall supply a regulated high-pressure air (0-300 psi) to an electric rewind high-pressure air reel. \_\_\_\_\_

- a. The four (4) 6000 lb air cylinders shall be mounted in a fashion that will not use any compartment space IE: Frame rails. The single fill station shall be mounted in the rear OS compartment with a jockey pump. All controls shall be mounted to save space.

\_\_\_\_\_

- 2. Provide one (1) high-pressure electric rewind air reel in a compartment TBD. The reel shall hold a minimum of three hundred (300) feet of high-pressure air hose color (RED). The reel shall be recessed up into the ceiling of the compartment so only the roller fairleads are exposed below the top edge of the doorframe.

\_\_\_\_\_

B. Vehicle Service Air

- 1. Provide one (1) low-pressure electric rewind air reel in a compartment TBD. The reel shall contain at least one hundred twenty five (125) feet of three eights (3/8) inch diameter low-pressure air hose color (Green). The reel shall be recessed up into the ceiling of the compartment so only the roller fairleads are exposed below the top edge of the doorframe.

\_\_\_\_\_

**Part 11 - Warning Systems**

A. Light Bar (front)

- 1. Provide one (1) CODE 3 MX -7000 type light bar. The front light bar will be NFPA, DOT, and State of Virginia compliant for emergency lighting. The light bar will have Halogen, LED, and a 3M Opticom emitter modules. (IE: Falmouth Engine 1).

\_\_\_\_\_

- 2. The switch shall be labeled "FRONT LIGHTBAR".

\_\_\_\_\_

B. Side Light Bars

- 1. Provide two (2) CODE 3 MX Series Mini Light Bars mounted on the cab roof, facing each side. A switch on the driver's emergency light console shall control the Front, Side, and Rear Light Bars.

\_\_\_\_\_

C. Rear Light Bars

- 1. Provide two (2) CODE 3 MX Series Mini Light Bars mounted to the rear face of the rescue body on stanchions, facing to the rear. A switch on the driver's emergency light console shall control the Front, Side, and Rear Light Bars.

\_\_\_\_\_

#### D. Mars 888 Front Warning Lights

1. Provide two (2) Mars 888 oscillating warning lights with polished stainless steel cone style housings. Lights shall be equipped with clear lenses and clear sealed beam spot bulbs. Each light shall be mounted on a pedestal at each front corner cab cowl. Mounting bracket assembly shall be fabricated of stainless steel, which has been welded together, edges and welds ground smooth and polished. It shall be securely mounted to the tubular framing of the cab just below the windshield outer corners. A dedicated switch on the driver's emergency light console shall control the Mars 888 Lights. Both lights shall automatically shut down upon application of the parking brake. The switch shall be labeled "MARS 888".

\_\_\_\_\_

#### E. Roto-Ray Light

1. Provide one (1) Roto-Ray model 200W in the grill of the cab. It shall be semi-recessed mounted with a stainless steel box type cover over the portion of the motor that protrudes thru the grill. The light fixture shall be mounted to the tubular frame, not with the skin. The light shall be equipped with three (3) sealed beam bulbs, two (2) red and one (1) clear. The light shall be controlled from dedicated switch on the driver's emergency light console, and shall automatically shut down upon application of the parking brake. The switch shall be labeled "ROTO-RAY"

\_\_\_\_\_

#### F. LED Warning Lights

1. A dedicated switch on the driver's emergency light console shall control the LED warning lights. The switch shall be labeled "LED LIGHTS". (Numbers in parenthesis are the Super LED equivalent, as an option). All LED warning lights shall be set to the "Scan" flash pattern and be furnished with clear lenses.
2. Eight (8) Whelen, Model 90R00FRR LED warning lights shall be provided on the apparatus. Lights shall be mounted using the chrome finished trim ring. Install LED lights in the following positions:
  - a. Two (2) on each side of the rescue body, at the upper forward corner and the upper rear corner (4 total)
  - b. Four (4) on the rear of the rescue body, outboard of each crew personnel door. Two (2) of the LED lights will be amber.
3. Fourteen (14) Whelen, Model 60R00FRR LED (60R02FRR) red warning lights shall be provided on the apparatus. Lights shall be mounted using the chrome finished trim ring. Install red LED lights in the following positions:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- a. Two (2) in each outboard position of a dual rectangular headlight bezel, mounted to the front face of the cab below the turn signals. The rectangular bezel shall be chrome finished similar to the headlights. \_\_\_\_\_
  - b. Two (2) on the vertical surface of the diamond tread gravel pan (one each side), between the front bumper and the front wheel wells. \_\_\_\_\_
  - c. Two (2) on the cab (one each side), behind the front wheel well, approximately forty eight (48) inches above ground. \_\_\_\_\_
  - d. Two (2) on the rescue body (one each side), located on the compartment door directly in front of the front tandem axle, approximately forty eight (48) inches above ground. \_\_\_\_\_
  - e. Two (2) on the rescue body (one each side), located on the aft door leaf of the rear rescue body compartment, approximately forty eight (48) inches above ground. \_\_\_\_\_
  - f. Two (2) on the rear of the rescue body (one each side), directly below the turn signals. \_\_\_\_\_
4. Two (2) Whelen, Model 40R00FRR LED (40R02ZRR) red warning lights shall be provided on the apparatus. Install these red LED lights in the following positions: \_\_\_\_\_
    - a. Two (2) on the rescue body rear wheel well apron (one each side), between the tandem axles. Consider locating at the tapered point below the center dual air bottle compartments. \_\_\_\_\_
  5. Two (2) Whelen, Model 60C00FCR LED (60C02FCR) white/clear warning lights shall be provided on the apparatus. Install white/clear LED lights in the following positions: \_\_\_\_\_
    - a. In the each inboard position of a dual rectangular headlight bezel, mounted to the front face of the cab below the turn signals. The rectangular bezel shall be chrome finished similar to the headlights. \_\_\_\_\_

#### G. Alternate Flashing Headlights

1. Provide a Code 3, Model 360HL flasher (or approved equivalent) to alternately flash the chassis high beams. The circuit shall be controlled by a dedicated switch on the driver's emergency light console, and shall be labeled "HIGH BEAM FLASHER". \_\_\_\_\_

H. Federal Q2B

1. Provide a Federal Model Q2B siren with chrome housing, mounted between the left side chain box and winch. Two Linemaster #632-S foot switches (or approved equivalent) shall be provided to activate the Federal Q2B siren. Install one each side of the cab, easily accessible by the driver's left foot and the officers right foot. .

\_\_\_\_\_

I. Electronic Siren

1. Provide a Powercall DX5100 100 watt electric siren mounted to the interior cab roof on a swivel between the driver and officer.
2. Provide a 100 watt low profile siren speaker, mounted concealed behind the front bumper.

\_\_\_\_\_

\_\_\_\_\_

J. Air Horns

1. Provide a three (3) Trumpet set of chrome "train" style horns furnished and installed under the front bumper. An air/electric horn selector switch shall be provided on the drivers console to select which horn will be operated from the horn button on the steering wheel.
2. Provide two (2) pull chains to activate the air horns in the cab accessible by the driver and officer.
3. Provide isolation valves on each airline, to facilitate the shut down of air to the horns if necessary.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

K. Traffic Advisor Light

1. Provide one (1) Whelen Super LED Traffic Advisor Lights (Arrowsticks) mounted on both sides and the rear. The control head shall be mounted in the cab below the electric siren.

\_\_\_\_\_

L. Emergency Master Switch

1. Power to all emergency warning devices (except for the air horns) shall be controlled by one Emergency Master Switch. The switch shall be the same style as the balance of the switches on the console, but shall be a colored red, and labeled "Emergency Master". The emergency master switch shall be located within easy reach by the driver's hand.

\_\_\_\_\_

**Part 12 - Paint and Lettering**

A. General Requirements



1. The vehicle shall be painted to match other County fire apparatus in the fleet  
This includes the following:
  - a. County Red and White
  - b. The separation at any white interface shall not be masked by pin striping, moldings, gold leaf, or any other method to mask blemishes in the interface.
  - c. The white or red shall be matched to existing County vehicles in the fleet.
  - d. The chassis components shall be painted black.
  - e. The vehicles fender wells shall be painted in black LINE-X.
  - f. Actual paint breaks to be approved with the manufacturer after Contract signing.
2. Paint shall be the following, or approved equivalent:
3. The vehicle shall be striped and lettered to match other apparatus in the fleet.  
This includes provisions for the following:
  - a. Installation of Scotchlite stripes around the vehicle
  - b. Installation of door seals and or special seals
  - c. The rear of the rescue body shall be covered with a White/Red chevron.

### **Part 13 - Manuals and Documentation**

#### **A. Wiring Diagrams**

1. Provide two (2) as-built wiring diagrams in CD format specific to the vehicle delivered.

#### **B. Parts Manuals**

1. Provide two (2) parts manuals in CD format specific to the vehicle delivered.

#### **C. Operation and Maintenance Manuals**

1. Provide two (2) operations and maintenance manuals in CD format specific to the vehicle delivered. The manuals shall cover all equipment both manufactured and supplied by the manufacturer.

## Part 14 – Tools & Equipment

### A. General

1. Provide and install the additional following tools and equipment per committee on location:

Quantity	Item	Cost
1	24' Extension Ladder	
1	14' Roof Ladder	
1	Little Giant Combination Ladder	
6	Scott Airpack 75 CBRN SCBA's w/Masks & Voice Amplifiers	
12	Scott Spare Cylinders	
1	Scott RIT Pack	
6	Scott SABA Ska-Paks	
12	Scott 100' SABA airlines	
6	Scott Mini SA O2 monitors	
2	SCI Airsource Combi-cart	
1	SKEDCO Sked-Evac Tri-pod with DBI/Sala winch	
1	USAR Taskforce Con-space Communication kit	
1	Honda EB5000 Portable Generator	
2	Honda HG-750i Gen-lights	
1	Paratech 227Ton 10 Airbag Set	
2	Paratech Master control packages	
4	Paratech 50' air hoses	
1	Paratech medium pressure control kit	
1	Paratech 14K lb medium pressure cushion	
1	Paratech 26K lb medium pressure cushion	
2	Paratech 1.5' - 2.5' Acme Airshore	
2	Paratech 2.5' - 3.5' Acme Airshore	
2	Paratech 3.5' - 5' Acme Airshore	
3	Paratech 5' - 7' Acme Airshore	
1	Paratech 610 Long Airshore	
1	Paratech Monopod Pulley Kit	
6	Paratech Airshore extensions (2) 1' (2) 2' (2) 3'	
6	Paratech 12"x12" Bases (4)Hinged (2) Swivel	
6	Paratech 6" Swivel Bases	
8	Paratech Bases (2) Rubber (2) Cone (2) V (2) Multi	
12	Paratech Bases (4) Angle (4) 4x4 (4) 6x6	
1	Paratech Tripod Head	
1	Paratech Hitch Base	

2	Paratech Airhammers (1) Airgun40 (1) Pakhammer 90	
12	Ratchet Straps (4) Large w/ J hooks (4) Large (4) Small	
8	3/8" Grade 80 Chain (4) 20' (4) 10'	
2	Amkus 30CRT Spreaders	
1	Amkus Extended Reach Tips for Spreader	
2	Amkus AMK 21 Cutters	
1	Amkus AMK 25E Speedway cutter	
1	Amkus AMK 20R Ram	
1	Amkus AMK 30R Ram	
2	Amkus AMK 40R Rams	
2	Amkus AMK 60R Rams	
4	Amkus 50' Hoses Black,Blue,Red,Yellow	
2	Amkus Ram Accessory Kits	
2	Amkus Chain packages	
2	Amkus MV-1 Fluid	
1	Hurst Mini Cutter with hand pump	
1	Hurst Airbag Cover Kit	
1	10 ton Porto-power Kit	
2	48" Hi-Lift Jacks	
1	ResQJack 4 point deluxe kit	
2	Tempest 16" Box fans with fan bars	
1	Tempest VSF-21 21" Variable Speed Electric PPV	
1	Pelsue 1385 Confined Space Fan with 25' tube	
2	Cutters Edge CE735R Saws	
1	Cutters Edge Chain Saw	
1	Stihl MS260 Pro Chain Saw	
1	Firehooks Unlimited 36" Pro Bar	
4	Firehooks Unlimited 30" Pro Bar	
2	Firehooks Unlimited 5' NY Hook	
1	Firehooks Unlimited 4' Farr Bar	
2	Firehooks Unlimited Closet Hooks	
2	Firehooks Unlimited 6' Trash Hooks	
1	Firehooks Unlimited 8' New York Hook	
2	Firehooks Unlimited 6' Drywall Hooks	
1	8' Pike Pole	
1	10' Pike Pole	
2	10 lb Sledgehammer	
1	16 lb Sledgehammer	
1	36" Bolt Cutter	
1	48" Bolt Cutter	
1	Hydra Ram 2	

1	Hydra Ram	
2	Bullard T4 Thermal Imaging Cameras w/ Vehicle Chargers	
1	Petrogen USAR Torch Kit	
1	Oxy-Acetylene Torch	
1	"K" Tool	
2	8 lb Flat Head Axe	
1	8 lb Pick Head Axe	
1	Duck Bill Lock Breaker	
1	52" Pinch Bar	
1	36" Pry Bar	
2	2.5 Gal Water Extinguisher	
1	ABC Dry Chemical Extinguisher	
1	CO2 Fire Extinguisher	
2	Elevator Key Set	
1	Elevator Pole	
4	Window Punch	
4	Seat Belt Cutters	
2	Glass Master Windshield Saws	
1	Griphoist TU-28 Rescue Kit	
1	20 Ton Railroad Jack	
1	24 Ton Industrial Bottle Jack	
1	12 Ton Industrial Bottle Jack	
1	8 Ton Industrial Bottle Jack	
1	2 ton Aluminum Racing Jack	
2	3 Ton Lug All Cable Come-A-Long	
2	6 ton Snatch Blocks	
1	Vehicle Lock Out Kit	
6	Kohler Responder Lights Black w/ vehicle chargers	
6	Kohler Lighthawks Black w/ vehicle chargers	
2	Round Point Shovels	
2	Square Point Shovels	
2	Scoop Shovels	
2	Squeegees	
2	Push Brooms	
2	Compact Shovels	
1	Craftsman Vehicle Mounted Tool Chest	
1	DeWalt 36 Volt Tool Kit	
1	DeWalt 36 Volt Sawzall	
1	DeWalt Corded Circular Saw	
1	Bosch 1 1/8 Rotary Hammerdrill/Chipper	
1	DeWalt Corded Drill	

1	DeWalt Grinder	
1	Dremel Tool Kit	
1	Blades and Tips for all Tools	
1	Dewalt Corded Sawzall	
1	1/2" IR Air Impact Gun	
1	3/8" IR Air Impact Gun	
1	1/2" IR Air Drill	
1	IR Air "Whiz" Saw	
1	IR Air Reciprocating Saw	
1	IR Air "Nibbler"	
1	3/8" IR Air Ratchet	
2	IR Air Hammers	
1	Sockets/Blades/and Tips for all Air Tools	
6	Tool Boxes	
1	3000 Piece Craftsman Tool Kit	
1	204 Piece Craftsman Tool Kit with Box	
2	Fluorescent Drop Lights	
4	750W "Junc O Lites" with 50' of 12/3 Wire	
2	750W Tripod Lights	
2	100' Cord Reels with 12/3 Wire	
1	1.5 HP Salvage/Sump/Trash Pump	
1	50' Section of Hose for Pump	
1	Water Vac	
2	18 Gallon Salvage Buckets	
6	12'X14' Salvage Covers	
4	3'X20' Hall Runners	
1	100' Roll Poly Tarp	
4	8'X12' Disposable Blue Tarps	
1	RIT Rescue 200' Group Search Kit	
2	Industrial Scientific ITX Multi-gas Monitors	
1	Smiths Detection APD2000 with Radiological	
1	Industrial Scientific T40 CO Detector	
1	Sensit Combustible Gas Detector	
6	Mustang MVR200 PFD'S (3) L (3) XL	
6	Mustang Swiftwater Rescue Drysuits (1) L (1) XL (2) XXL (2) XXXL	
4	Mustang Ice Commander suits	
6	Pacific Rescue R3 Kiwi Helmets (White)	
8	Topps Fire Retardant Coveralls (2) Large (2) XL (4) XXL (RED)	
6	Yates Voyager Class III Harnesses	
1	Yates SpecPak	

1	LSP Half Back	
1	LSP Miller Board	
1	Skedco Sked Complete System	
2	Wild Duck Backboards (Blue) with Spiderstraps	
1	Ferno KED	
1	Ferno Pedi Pack	
3	1000' Sterling HTP Static 1/2" Rope (RED) (BLUE) (YELLOW)	
3	300' Sterling 7mm Cordage (Orange) (Purple) (Green)	
2	Spools of 1" Webbing (RED) (BLUE)	
2	Spools of 2" Webbing (Orange) (LIME)	
30	SMC Large Steel Carabiners	
30	SMC X - Large Steel Carabiners	
4	SMC Steel Rigging Plates	
4	Steel Rigging Rings	
6	CMC 2" Rescue Pulley	
6	SMC 2" Single Pulley	
2	SMC 2" Double Pulley	
1	SMC Kootney Pulley	
2	CMC Rescue 8's	
2	CMC Rescue Rack	
2	PETZEL ID LARGE	
1	Traverse Titan Titanium tapered Stokes Basket	
1	Traverse Advantage tapered Stokes Basket	
1	Traverse Rescue 540 Belay Large	
4	Rescue Tech Large Rope Bags	
3	Rescue Tech Medium Rope Bags	
3	Rescue Tech Small Rope Bags	
4	Rescue Tech USAR Bags (1 Blue) (1 Red) (2 Black)	
1	Masimo Rad-57 Pulse CO-Oximeter	
1	Medtronic Lifepak 1000 Defibrillator	
1	5 Gallon Watercooler	
10	28" MUTCD Compliant Collapsible Traffic Cones w/Refl. Bands	
8	Powerflare PF-200 Safety Lights	
6	Motorola XTS Portable Radios (700 MHz)	

## Part 15 – Local Service Facility Requirement

Qualified Offerors must have a local service facility(s) specializing in fire apparatus service and repairs within a reasonable proximity of the apparatus's service area. A letter of authorization from the body manufacturer designating the service center as an authorized agent of the manufacturer shall be included with the Proposal response. The following information is required to be completed:

Service Center Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Fax: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Number of years representing the manufacturer: \_\_\_\_\_

Miles (by highway) from apparatus location: \_\_\_\_\_

**PURCHASE AND DELIVERY OF ONE (1) HEAVY DUTY WALK-IN  
RESCUE SQUAD FOR THE STAFFORD COUNTY FIRE AND RESCUE  
DEPARTMENT**

**PROPOSAL #65124**

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Name and Title of Person Submitting Proposal: \_\_\_\_\_

Signature: \_\_\_\_\_

(Print Name): \_\_\_\_\_



1	Very Poor	6
2		7 Good
3		8
4		9 Excellent
5	Fair	10

## PROPOSAL EVALUATION

RFP NUMBER:       #65124      

PROJECT DESCRIPTION: \_\_\_\_\_

COMPANY: \_\_\_\_\_

Evaluation Committee:

Name: \_\_\_\_\_ Department: \_\_\_\_\_

Name: \_\_\_\_\_ Department: \_\_\_\_\_

Name: \_\_\_\_\_ Department: \_\_\_\_\_

Name: \_\_\_\_\_ Department: \_\_\_\_\_

<u>Score</u>	<u>Description</u>	<u>Weight</u>	<u>Score</u>	=	<u>Total</u>
1.	Quality of materials and workmanship	5	_____		_____
2.	Cost/Delivery	5	_____		_____
3.	Meet or exceed requirements of Equipment and accessories	4	_____		_____
4.	Warranties	2	_____		_____
5.	References	2	_____		_____
6.	Evaluation Committee's personal judgement on Offeror's merit to complete the overall project needs	2	_____		_____
			Total		<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>

Date Completed: \_\_\_\_\_

## **SMALL AND MINORITY BUSINESS ENTERPRISES**

The Stafford County Procurement Code and relevant Federal and State Laws, Orders and Regulations, require Stafford County to ensure that its procurement practices are non-discriminatory and promote equality of opportunity for Small and Minority Business Enterprises.

### **Definitions:**

#### **1. Small Business:**

For the purposes of this document a Small Business concern is one which, regardless of ownership or control:

- (a) does not exceed two-hundred and fifty (250) employees.; or
- (b) gross annual income does not exceed ten (10) million dollars; or
- (c) is independently owned and operated (not subsidiary of another firm).

#### **2. Minority Business:**

A business entity which is operated and controlled by a minority.

- (a) The terms "operated and controlled" shall mean that the managerial and official staff of this entity shall be comprised of minority persons, sufficient in ratio and gross earnings to demonstrate that the business transactions are, in fact, controlled by minority persons; and that the primary power, direct or indirect, to influence the management of this entity shall rest with minority persons or a corporation, partnership, or sole proprietorship in which minority persons collectively own, operate, control and share in earning of fifty one percent (51%) or more of such an enterprise.
- (b) A minority person shall mean Black, Hispanic; Asian or Pacific Islanders; American Indian or Alaskan Native; and women, regardless of races or ethnicity.

### **PLEASE CHECK THE FOLLOWING INFORMATION RELEVANT TO YOUR FIRM:**

**Minority Business Firm:** Yes \_\_\_\_\_ No \_\_\_\_\_

**Small Business Firm:** Yes \_\_\_\_\_ No \_\_\_\_\_

The above information is requested for statistical purposes only. All firms tendering responses will receive equal consideration for award.

### **CONTACT FOR ADMINISTRATION:**

**NAME:** \_\_\_\_\_

**ADDRESS (OFFICE):** \_\_\_\_\_

**TELEPHONE (OFFICE):** \_\_\_\_\_

## STAFFORD COUNTY

### STANDARD CONTRACT FOR SUPPLIES

This Contract is entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between the Board of Supervisors of Stafford County, Virginia, or its authorized agents, and the Contractor identified below for supplies identified herein, on the following terms and conditions. This contract is prepared in accordance with Chapter 20 of the Stafford County Code.

1. **Definitions.**

(a) As used in this Contract, the term "County" shall mean the Board of Supervisors of Stafford County, Virginia, or the using department identified below and authorized by the Purchasing Regulations or other law to enter contracts. For purposes of this Contract, the "County" shall mean:

(If this line is blank, the Contracting Party is the Board of Supervisors.)

(b) As used in this Contract, the term "Contractor" shall mean

2. Where boxes are provided beside any provision of this Contract, only those provisions which are marked shall apply to this Contract. Such boxes shall be marked by the County as part of the bid process.

3. **Provisions of Supplies.**

(a) The vendor hereby agrees:

☐ to sell

☐ to lease

the following supplies to the County:

(b) The supplies shall strictly conform to the specifications set forth in

the Invitation for Bids for these supplies, or any amendments thereto, and any descriptions or samples provided therewith by the Contractor.

(c) The time, manner and place of delivery of such supplies shall be:

4. **Time of Essence.**

Time shall be of the essence to this Contract, except where it is herein specifically provided to the contrary.

5. **County Obligations.**

In return for the supplies identified above, the County shall pay the Contractor the following amounts (and in accordance with such formula for payments as may be set forth herein):

[ ] (a) In addition to any provision of Paragraph 5 hereof, the Contractor agrees to grant the County a two percent (2%) discount for all prices, provided that the County pays any invoice or other billing within ten (10) working days of receipt thereof.

6. **Termination for Convenience of the County.**

(a) The parties agree that the County may terminate this Contract, or any work or delivery required hereunder, from time to time either in whole or in part, whenever the County Administrator of Stafford County shall determine that such termination is in the best interest of the County.

(b) Termination, in whole or in part, shall be effected by delivery of a Notice of Termination signed by the County Administrator or his designee, mailed or delivered to the Contractor, and specifically setting forth the effective date of termination.

(c) Upon receipt of such Notice, the Contractor shall:

(i) cease any further deliveries or work due under this Contract, on the date, and to the extent, which may be specified in the Notice;

(ii) place no further orders with any subcontractors except as may be necessary to perform that portion of this Contract not subject to the Notice;

(iii) terminate all subcontracts except those made with respect to contract performance not subject to the Notice;

(iv) settle all outstanding liabilities and claims which may arise out of such termination, with the ratification of the Purchasing Office of Stafford County; and

(v) use its best efforts to mitigate any damages which may be sustained by him as a consequence of termination under this clause.

(d) After complying with the provisions of subparagraph (c), above, the Contractor shall submit a termination claim, in no event later than six (6) months after the effective date of termination, unless one or more extensions of three (3) months each are granted by the Purchasing Officer.

(e) The Purchasing Officer, with the approval of the County's signatory to this Contract, shall pay from the using department's budget reasonable costs of termination, including a reasonable amount for profit on supplies or services delivered or completed. In no event shall this amount be greater than the original contract price, reduced by any payments made prior to Notice of Termination, and further reduced by the price of the supplies not delivered, or the services not provided. This Contract shall be amended accordingly, and the Contractor shall be paid the agreed amount.

(f) In the event that the parties cannot agree on the amount to be paid to the Contractor by reason of termination under this clause, the Purchasing Officer shall

pay to the Contractor the amounts determined as follows, without duplicating any amounts which may have already been paid under the preceding paragraph of this clause:

(i) with respect to all Contract performance prior to the effective date of Notice of Termination, the total of

(A) cost of work performed or supplies delivered;

(B) the cost of settling and paying any reasonable claims as provided in paragraph (c) (iv), above;

(C) a sum as profit on (A) determined by the Purchasing Officer to be fair and reasonable.

(ii) the total sum to be paid under (i) above shall not exceed the contract price, as reduced by the amount of payments otherwise made, and as further reduced by the contract price or work or supplies not terminated.

(g) In the event that the Contractor is not satisfied with any payments which the Purchasing Officer shall determine to be due under this clause, the Contractor may appeal any claim to the Board of Supervisors in accordance with Paragraph 21 of this contract concerning Disputes.

(h) When termination for the convenience of the County is a provision of this Contract, the Contractor shall include similar provisions in any subcontract, and shall specifically include a requirement that subcontractors make all reasonable efforts to mitigate damages which may be suffered. Failure to include such provisions shall bar the Contractor from any recovery from the County whatsoever for loss or damage sustained by a subcontractor as a consequence of termination for convenience.

**7. Termination for Default.**

Either party may terminate this Contract, without further obligation, for the default of the other party or its agents or employees with respect to any agreement or provisions contained herein.

**8. Examination of Records.**

(a) The Contractor agrees that the County, or any duly authorized representative, shall, until the expiration of three (3) years after final payment hereunder, have access to and the right to examine and copy pertinent books, documents, papers and records of the Contractor involving transactions related to this Contract.

(b) The Contractor further agrees to include in any subcontract for more than \$10,000 entered into as a result of this Contract, a provision to the effect that the subcontractor agreed that the County or any duly authorized representative shall, until the expiration of three (3) years after final payment under the subcontract, have access to and the right to examine and copy pertinent books, documents, papers and records of such contractor involved in transaction related to such subcontract, or this Contract. The term subcontract as used herein shall exclude subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

(c) The period of access provided in subparagraphs (a) and (b) above for records, books, documents and papers which may relate to any arbitration, litigation, or the settlement of claims arising out of the performance of this contract or any subcontract shall continue until any appeals, arbitration, litigation or claims shall have been finally disposed of.

9. **Termination for Non-Appropriation of Funds.**

(a) If funds are not appropriated for any succeeding fiscal year subsequent to the one in which this contract is entered into, for the purposes of this Contract, then the County may terminate this contract upon thirty (30) days prior written notice to the Contractor. Should termination be accomplished in accordance with this Section, the County shall be liable only for payments due through the date of termination.

(b) The County agrees that should it terminate in accordance with this Section, it shall not purchase, lease or rent supplies which are substantially equal to or perform functions similar to those for which this contract was entered into for the remainder of the fiscal year during which termination occurs. This provision shall survive any termination of the Contract.

[ ] 10. **Insurance.**

The Contractor shall maintain insurance, in an amount and a form set forth herein, to insure against loss or damage of supplies which are herein identified, until such time as the County accepts delivery of the supplies, or such other time as may be herein specified. The insurance required hereby shall be:

11. A contract for the purchase of supplies shall be governed by the Virginia Uniform Commercial Code, Titles 8.1-8.10 of the Code of Virginia (1950, as amended), and such supplies shall be deemed "goods," as defined therein.

12. **Assignability of Contract.**

Neither this Contract, nor any part hereof, may be assigned by the Contractor to any other party without the express written permission of the County Administrator.



**13. Modifications or Changes to this Contract.**

(a) Change Orders. The Purchasing Officer, with the concurrence of the County's signatory to this Contract, shall without notice to any sureties, have the authority to order changes in this Contract which affect the cost or time of performance. Such changes shall be ordered in writing specifically designated to be a change order. Such orders shall be limited to reasonable changes in the quality of goods to be supplied or the time of delivery; provided that no Contractor shall be excused from performance under the changed contract by failure to agree to such changes, and it is the express purpose of this provision to permit unilateral changes in the contract subject to the conditions and limitations herein.

(b) If any change under this clause causes an increase or decrease in the Contractor's cost of, or time required for, the performance of any part of the Contract, the parties shall negotiate an equitable adjustment in accordance with subparagraph (d), which shall include all compensation to the Contractor, or the County, of any kind in connection with such change, including all costs and damages related to or incidental to such change. Failure to agree to any adjustment shall not excuse a Contractor from proceeding with the Contract as changed.

(c) The Contractor need not perform any work described in any change order unless it has received a certification from the County that there are funds budgeted and appropriated sufficient to cover the cost of such changes.

(d) The Contractor shall make a demand for payment for changed work within thirty (30) days of receipt of a change order, unless such time prior is extended by the Purchasing Officer in writing, or unless the Purchasing Officer requires submission of

a cost proposal prior to the initiation of any changed work or supplies. Later notification shall not bar the honoring of such claim or demand unless the County is prejudiced by such delay.

(e) No claim for changes ordered hereunder shall be considered if made after final payment in accordance with the Contract.

14. **Warranties.**

Contractor warrants the (1) the supplies to be provided to County pursuant to this agreement are fit and sufficient for the purpose intended; (2) the supplies are merchantable, of good quality, and free from defects, whether patent or latent, in material or workmanship, and (3) the supplies sold to the County pursuant to this agreement conform to the standard required by Paragraph 3 (b) of this Contract.

The Contractor further warrants that the Contractor has title to the supplies provided, in that the supplies are free and clear of all liens, encumbrances, and security interests. All warranties made in this agreement, together with service warranties and guarantees, shall run to the County and its successors and assigns.

[ ] 15. **Additional Warranties.**

16. **Additional Bond Security.**

If any surety upon any bond furnished in connection with this Contract becomes unacceptable to the County, the Contractor shall promptly furnish such additional security as may be required from time to time to protect the interest of the County and a person supplying labor and materials in the prosecution of the work contemplated by this Contract.

17. **Inspection.**

(a) All supplies (which term throughout this clause includes without limitation raw materials, components, intermediate assemblies, and end products) shall be subject to inspection and test by the County, to the extent practicable at all times and places including the place of manufacture, and in any event prior to acceptance.

(b) In case any supplies or lots of supplies are defective in material or workmanship or otherwise not in conformity with the requirements of this Contract, the County shall have the right either to reject them (with or without instructions as to their disposition) or to require their correction. Supplies or lots of supplies which have been rejected or required to be corrected shall be removed or, if permitted or required by the Purchasing Officer, corrected in place by and at the expense of the Contractor promptly after notice, and shall not thereafter be tendered for acceptance unless the former rejection or requirement of correction is disclosed. If the Contractor fails promptly to remove such supplies or lots of supplies which are required to be removed or promptly to replace or correct such supplies or lots of supplies, the County either (i) may by contract or otherwise replace or correct such supplies and charge to the Contractor the cost occasioned the County thereby; or (ii) may terminate this Contractor for default as provided in the clause of this Contract entitle "Termination for Default." Unless the Contractor corrects or replaces such supplies within the delivery schedule, the Purchasing Officer may require the delivery of such supplies at a reduction in price which is equitable under the circumstances.

Acceptance or rejection of the supplies shall be made as promptly as practicable after delivery, except as otherwise provided in this Contract; but failure to

inspect and accept or reject supplies shall neither relieve the Contractor from responsibility for such supplies as are not in accordance with the Contract requirements nor impose liability on the County.

(c) The inspection and test by the County of any supplies or lots thereof does not relieve the Contractor from any responsibility regarding defects or other failures to meet the Contract requirements which may be discovered prior to acceptance. Except as otherwise provided in this Contract, acceptance shall be conclusive except in regards to latent defects, fraud, or such gross mistakes as amount to fraud.

**18. Contract Administration--Delegation of Authority.**

Contract administration of the Contract will be performed by \_\_\_\_\_(using department). The specific individual assigned to administer this Contract is \_\_\_\_\_. The contract administrator is not authorized to approve changes to this Contract unless such authority has been delegated to the contract administrator in writing by the Purchasing Officer and has been approved by the County signatory to this Contract. The County will not be held liable for any changes which have not been properly authorized and approved in accordance with this Contract.

**19. Liability for Loss or Damage.**

The Contractor shall be liable for any loss of, or damage to, County property caused by the negligence or willful misconduct of the Contractor, his agents, servants and employees and shall indemnify and save the County harmless against all actions, proceedings, claims, demands, costs, damages and expenses, including attorney's fee, by reason of any suit or action brought for an actual or alleged injury to or death of

any person or damage to property other than County property resulting from the performance of the Contract. The Contractor shall submit to the Purchasing Officer within 24 hours following the occurrence of such damage, loss or injury, a full written report.

**20. Nondiscrimination.**

During the performance of this Contract, the Contractor agrees as follows:

(a) The Contractor will not discriminate against any employee or applicant for employment because of race, religion, sex or national origin, except where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

(b) Contractor shall state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that Contractor is an equal opportunity employer.

(c) Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient compliance with this provision.

Contractor shall include the provisions of the foregoing subparagraphs (a), (b), and (c) in every subcontract or purchase order of over \$10,000 so that the provisions will be binding upon each subcontractor or vendor.

**21. Disputes.**

Disputes with respect to this Contract shall be decided in the first instance by the Purchasing Officer, who shall provide his decision in writing and mail or

otherwise furnish a copy thereof to the Contractor. This decision shall be final and binding unless, within thirty (30) days from the date of such decision, the Contractor mails or otherwise furnishes the Purchasing Officer a written appeal addressed to the County Administrator. The decision by the County Administrator shall be final and binding unless, within ten (10) days from the date of receipt of the decision of the County Administrator appeal is made to the Board of Supervisors in accordance with Section 15.1-550, et seq., of the Code of Virginia (1950, as amended). The decision of the Board of Supervisors shall be final and binding unless set aside by a court of competent jurisdiction as fraudulent, capricious, arbitrary, or so grossly erroneous as to imply bad faith, or not to be supported by any evidence. Pending a final determination of a properly appealed decision of the Purchasing Officer, the Contractor shall proceed diligently with the performance of the Contract in accordance with that decision.

[ ]      22.      **Additional Provisions.**

23.      **Integration Clause.**

This Contract shall constitute the whole agreement between the parties. There are not promises, terms, condition, or obligations other than those contained herein, and this Contract shall supersede all previous communications, representations, or agreements, written or verbal, between the parties hereto.

24.      **Legal Status**

All individuals performing work pursuant to this contract must be U.S. Citizens or possess documents that allow them to be employed and work in the United States.

25. **Faith-Based Clause.**

This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia Section 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

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County Representative

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Title

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Contractor or Duly Authorized  
Representative

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Title